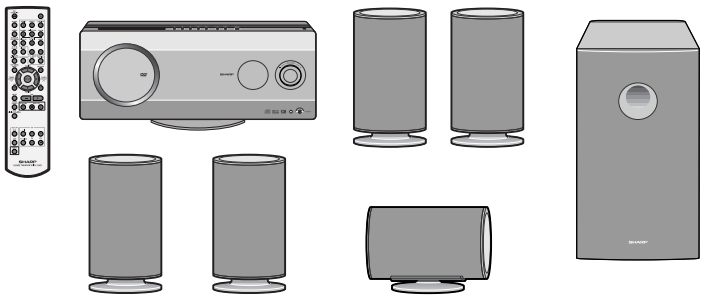
SHARP SERVICE MANUAL

No. S3529HTX1U///



HOME THEATER WITH DVD

MODEL HT-X1

HT-X1 Home Theater with DVD consisting of HT-X1 (main unit and subwoofer/amplifier unit), CP-X1F (front speakers), CP-X1C (center speaker) CP-X1S (surround speakers).

DOLBY DIGITAL PRO LOGIC II

DIGITAL dts SURROUND

DVD VIDEO™

COMPACT disc DIGITAL AUDIO

MP3

PROGRESSIVE SCAN

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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Parts Guide

Parts marked with " ⚠ " are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE NOTES

BEFORE RETURNING THE AUDIO PRODUCT

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.

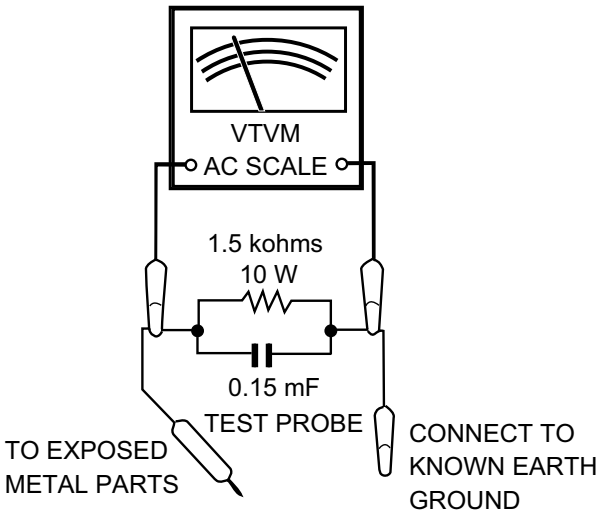
* Using two clip leads, connect a 1.5 kohm, 10 watt resistor paralleled by a 0.15 µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.

* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).

* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.



1. Employing lead-free solder

"Amp./Power1/Power2/Display/Main/LED/Switch/Headphones/Tuner" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWB and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu Indicates lead-free solder of tin, silver and copper.

2. Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3. Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corrected. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Ref No.	Parts No.	Description
PWB-A	DUNTKV550SJ03	Amp./Power1/Power2
PWB-B	DUNTKV549SJ03	Display/Main/LED/Switch/Headphones/Tuner

CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

HT-X1

■ Main unit

Dimensions		**Including the stand** Width: 17" (430 mm) Height: 7-5/8" (192 mm) Depth: 4" (100 mm) **Excluding the stand** Width: 17" (430 mm) Height: 6-3/4" (171 mm) Depth: 3-1/2" (88 mm)
Weight		4.9 lbs. (2.2 kg)
Frequency range		FM: 87.5 - 108 MHz AM: 530 - 1,720 kHz
Video output terminals		Video output: RCA type × 1 S-video output: S-terminal × 1 Component video output: RCA type × 3 (Y/PB/PR)
Audio output terminal		Headphones: 16 - 50 ohms (recommended: 32 ohms)
Audio input terminals		Audio input (AUX): RCA type × 2 Optical digital input: Square type × 1
Other terminal		System control × 2
Signal system		NTSC color
Supported disc types		DVD (region number 1 or ALL), DVD-R/RW (video mode), DVD+R/RW (video mode), audio CD, CD-R, CD-RW
Video signal		Horizontal resolution: 500 lines S/N ratio: 70 dB
Audio signal	**Frequency characteristics**	Linear PCM DVD: 4 Hz to 22 kHz (sampling rate: 48 kHz) 4 Hz to 44 kHz (sampling rate: 96 kHz) CD: 4 Hz to 20 kHz
	S/N ratio	CD: 96 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 95 dB CD: 94 dB
	Total harmonic distortion ratio	0.006 % maximum

CP-X1F

Type	Full range system (magnetic shield) 3-1/8" (8 cm) speaker × 1
Maximum input power	100 W
Rated input power	50 W
Impedance	4 ohms
Dimensions	Width: 4-1/8" (105 mm) Height: 8-1/8" (205 mm) Depth: 4-1/8" (105 mm)
Weight	2.0 lbs. (0.9 kg)/each

CP-X1S

Type	Full range system 3-1/8" (8 cm) speaker × 1
Maximum input power	100 W
Rated input power	50 W
Impedance	4 ohms
Dimensions	Width: 4-1/8" (105 mm) Height: 8-1/8" (205 mm) Depth: 4-1/8" (105 mm)
Weight	1.7 lbs. (0.75 kg)/each

CP-X1C

Type	Full range system (magnetic shield) 3-1/8" (8 cm) speaker × 1
Maximum input power	100 W
Rated input power	50 W
Impedance	4 ohms
Dimensions	Width: 7-1/4" (185 mm) Height: 4-7/8" (123 mm) Depth: 4-1/2" (115 mm)
Weight	2.0 lbs. (0.9 kg)

■ Subwoofer/amplifier unit

Amplifier:

Power source	AC 120 V, 60 Hz
Power consumption	208 W
Dimensions	Width: 7-7/8" (200 mm) Height: 15" (380 mm) Depth: 17-1/2" (443 mm)
Weight	23.2 lbs. (10.5 kg)
Speaker terminals	Front speakers, center speaker and surround speakers: more than 4 ohms
Other terminals	System control × 2
Power output (FTC)	50 watts minimum RMS per channel into 4 ohms from 150 Hz to 20 kHz, 10% total harmonic distortion Subwoofer: 50 watts minimum RMS into 4 ohms from 20 Hz to 150 Hz, 10% total harmonic distortion
Rated power output	Front: 50 W + 50 W, Center: 50 W, Surround: 50 W + 50 W (4 ohms at 1 kHz, 10 % T.H.D.) Subwoofer: 50 W (4 ohms at 100 Hz, 10 % T.H.D.)

Subwoofer:

Type	Bass reflex, 1 way system 6-1/2" (16 cm) woofer × 1
Maximum input power	100 W
Rated input power	50 W
Impedance	4 ohms

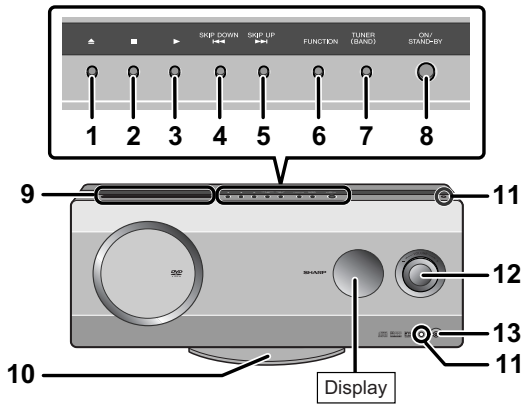
Specifications for this model are subject to change without prior notice.

[2] Names of parts

HT-X1

■ Top and front panel

1. Disc Eject Button
2. Stop Button
3. Play Button
4. Chapter (Track) Skip Down or Fast Reverse Button
5. Chapter (Track) Skip Up or Fast Forward Button
6. Function Selector Button
7. Tuner (Band) Button
8. On/Stand-by Button
9. Disc Compartment
10. Main Unit Stand
11. Remote Sensor
12. Volume Control
13. Headphone Jack

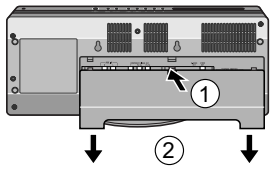


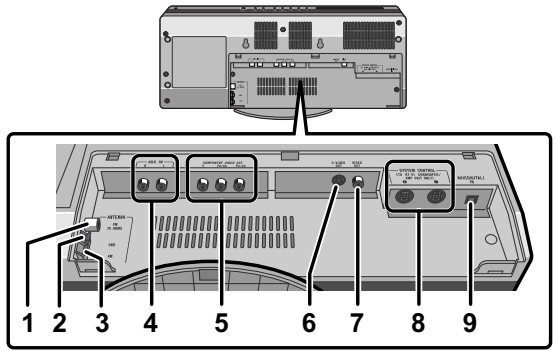
■ Rear panel

1. FM 75 Ohm Antenna Jack
2. Antenna Ground Terminal
3. AM Antenna Terminal
4. Auxiliary (Audio Signal) Input Jacks
5. Component Video Output Jacks
6. S-video Output Jack
7. Video Output Jack
8. System Connection Jacks
   (to subwoofer/amplifier unit)
9. Optical Digital Audio Input Jack

Removing the back cover of the main unit:

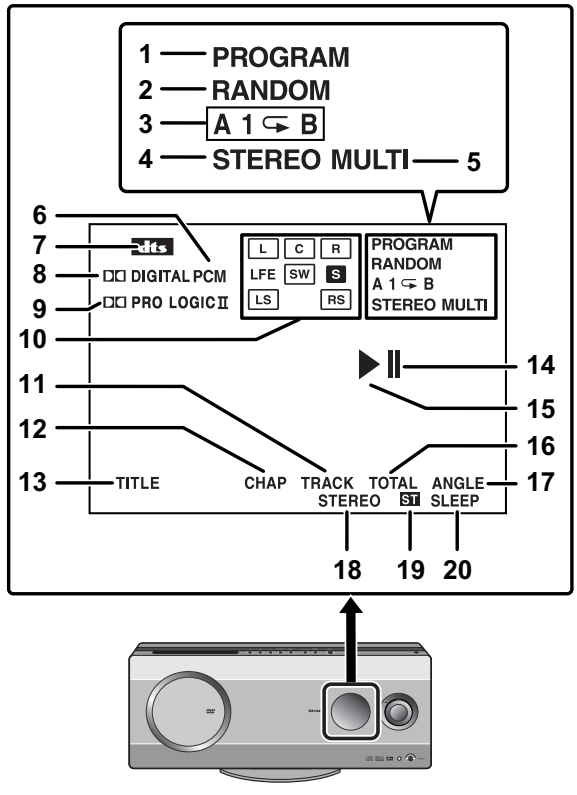
For system connections, remove the back cover first.





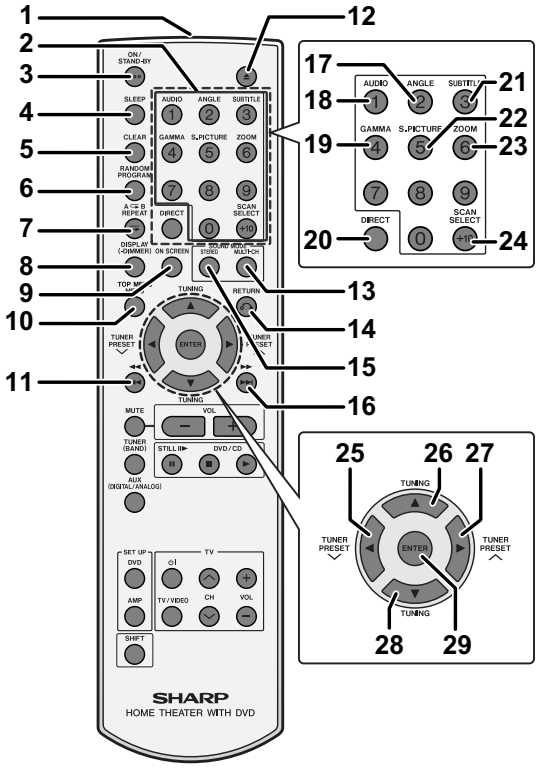
■ Display

1. Program Indicator
2. Random Play Indicator
3. Repeat/One Track Repeat/A - B Repeat Indicators
4. 2 channel Stereo Sound Mode Indicator
5. Multi Channel Sound Mode Indicator
6. PCM Signal Indicator
7. DTS Signal Indicator
8. Dolby Digital Signal Indicator
9. Dolby Pro Logic II Indicator
10. Audio Signal/Speaker Indicators
11. Track Indicator
12. Chapter Indicator
13. Title Indicator
14. Pause Indicator
15. Play Indicator
16. Total Indicator
17. Angle Indicator
18. FM Stereo Mode Indicator
19. FM Stereo Receiving Indicator
20. Sleep Indicator



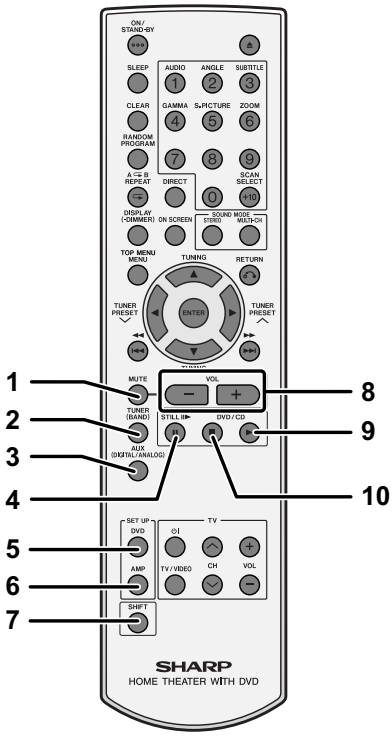
HT-X1

■ Remote control



1. Remote Control Transmitter
2. Direct Number Buttons
3. On/Stand-by Button
4. Sleep Button
5. Clear Button
6. Random or Program Button
7. A - B Repeat or Repeat Button
8. Unit Display Select or Dimmer Button
9. On Screen Display On/Off Button
10. Top Menu or Menu Button
11. Chapter (Track) Skip Down or Fast Reverse Button
12. Disc Eject Button
13. Multi Channel Select Button
14. Return Button
15. Stereo (2 channel) Select Button
16. Chapter (Track) Skip Up or Fast Forward Button
17. Angle Button
18. DVD Audio Language Select or CD Audio Output Select Button
19. Gamma Button
20. Direct Button
21. Subtitle Button
22. Super Picture Button
23. Zoom Button
24. Progressive Scan Mode Select Button
25. Tuner Preset Down or Cursor Button
26. Tuning Up or Cursor Button
27. Tuner Preset Up or Cursor Button
28. Tuning Down or Cursor Button
29. Enter Button

■ Remote control

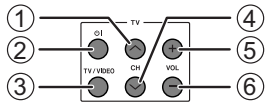


1. Mute Button
2. Tuner (Band) Button
3. Auxiliary Button
4. Frame Advance or Pause Button
5. DVD Initial Setting Button
6. Amplifier Initial Setting Button
7. Shift Button
8. Volume Up and Down Buttons
9. Play Button
10. Stop Button

TV Operation Buttons

You can operate some functions of SHARP's TVs with the remote control of this system.

However, some models cannot be operated.



① **TV Channel Up Button**
Switches the TV channel up.

② **TV On/Stand-by Button**
Sets the TV power to "ON" or "STAND-BY".

③ **TV/VCR Input Select Button**
Switches the input to TV or VCR.

④ **TV Channel Down Button**
Switches the TV channel down.

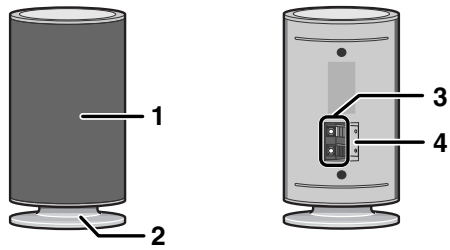
⑤ **TV Volume Up Button**
Turns up the TV volume.

⑥ **TV Volume Down Button**
Turns down the TV volume.

CP-X1F/CP-X1S

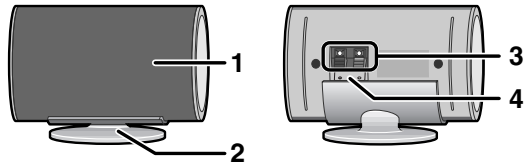
1. Speaker
2. Speaker Stand
3. Speaker Terminals
4. Color Label

① White ... Left Front Speaker
② Red ... Right Front Speaker
③ Blue ... Left Surround Speaker
④ Gray ... Right Surround Speaker



CP-X1C

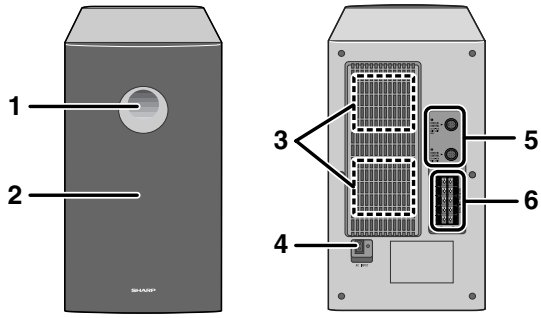
1. Speaker
2. Speaker Stand
3. Speaker Terminals
4. Color Label: Green



HT-X1

■ Subwoofer/amplifier unit

1. Bass Reflex Duct
2. Woofer
3. Cooling Fan
4. AC Power Input Jack
5. System Connection Jacks (to main unit)
6. Speaker Terminals



CHAPTER 2. ADJUSTMENTS

[1] TEST Mode

1. TUNER TEST (Tuner button + Stop button + Power button)

1.1. INITIAL SETTINGS:

VOLUME = 20
FUNCTION = FM ST 87.50MHz (P-01)

1.2. PRESET STATIONS:

P-01: FM ST 87.50 MHz
P-02: FM ST 108.00 MHz
P-03: FM ST 98.00 MHz
P-04: FM ST 90.00 MHz
P-05: FM ST 106.00 MHz
P-06: AM 522 KHz
P-07: AM 1620 KHz
P-08: AM 990 KHz
P-09: AM 603 KHz
P-10: AM 1404 Hz
P-36: FM MONO 106.00 MHz
P-37: FM MONO 90.00 MHz
P-38: FM MONO 98.00 MHz
P-39: FM MONO 108.00 MHz
P-40: FM MONO 87.50 MHz

1.3. WHEN SYSTEM ENTER TUNER TEST MODE, BELOW FOUR BUTTONS ON MAIN UNIT WILL CHANGE TO OTHER FUNCTIONS TEMPORARILY

“STOP” BUTTON: TUNING DOW
“PLAY” BUTTON: TUNING UP
“SKIP DOWN” BUTTON: TUNER PRESET DOWN
“SKIP UP” BUTTON: TUNER PRESET UP

2. VOLUME TEST (SKIP Down button + STOP button + POWER button)

2.1. INITIAL SETTINGS:

VOLUME = 23
FUNCTION = AUX DIGITAL
FM ST FREQUENCY = 87.50MHz
FM MONO FREQUENCY = 87.50MHz
AM FREQUENCY = 522KHz

VOLUME 0 >> VOLUME 1 >> VOLUME 23 >> VOLUME 40 >> VOLUME MAX

3. KEY TEST (SKIP Up button + PLAY button + POWER button)

3.1. PRESS EACH BUTTON OF MAIN UNIT EXCEPT “ON/STAND-BY” BUTTON, AND THEN PRESS “ON/STAND-BY” BUTTON.

KEY OK: “OK” SHOWN ON VFD
KEY NG: “ERROR”SHOWN ON VFD

4. VFD TEST (“SKIP Up button” + “STOP button” + “POWER button”)

BACK LIGHT LED = ON
USE “SKIP UP” BUTTON TO CHANGE VFD DISPLAY MODE AND BACK LIGHT LED MODE

5. SLOT-IN MECHA TEST (“EJECT button” + “FUNCTION button” + “POWER button”)

VFD DISPLAY TEST CYCLE NUMBER
DISC LOAD ERROR: “EL xx” (xx MEANS TEST CYCLE NUMBER)
DISC EJECT ERROR: “EE xx” (xx MEANS TEST CYCLE NUMBER)
First, the ALL_MUTE_OFF_TEST key code is sent to AMP to start it up with all mute controls disabled.

6. DVD RESTORE (“PLAY button” + “FUNCTION button” + “POWER button”)

DVD SETUP SETTINGS RESTORED
AMP SETUP SETTINGS RESTORED
SOUND MODE SETTINGS RESTORED
ERRASE ALL OF CONTENTS OF PROGRAM PLAYBACK LIST

SHOW DVD ROM DATA VERSION NUMBER ON BOTH VFD AND MONITOR

7. SYSTEM RESTORE (“STOP” button + “FUNCTION” button + “POWER” button)

ERRASE ALL OF CONTENTS OF TUNER MEMORY
RESET TUNER PRESET FLAG
SET INITIAL VOLUME TO 20
SET INITIAL FUNCTION TO DVD/CD
SET FM ST FREQUENCY TO 87.50MHz
SET FM MONO FREQUENCY TO 87.50MHz
SET AM FREQUENCY TO 522KHz

SHOW SYSTEM SOFTWARE VERSION ON VFD

CHAPTER 3. MECHANISM BLOCKS

[1] Caution on diassembly

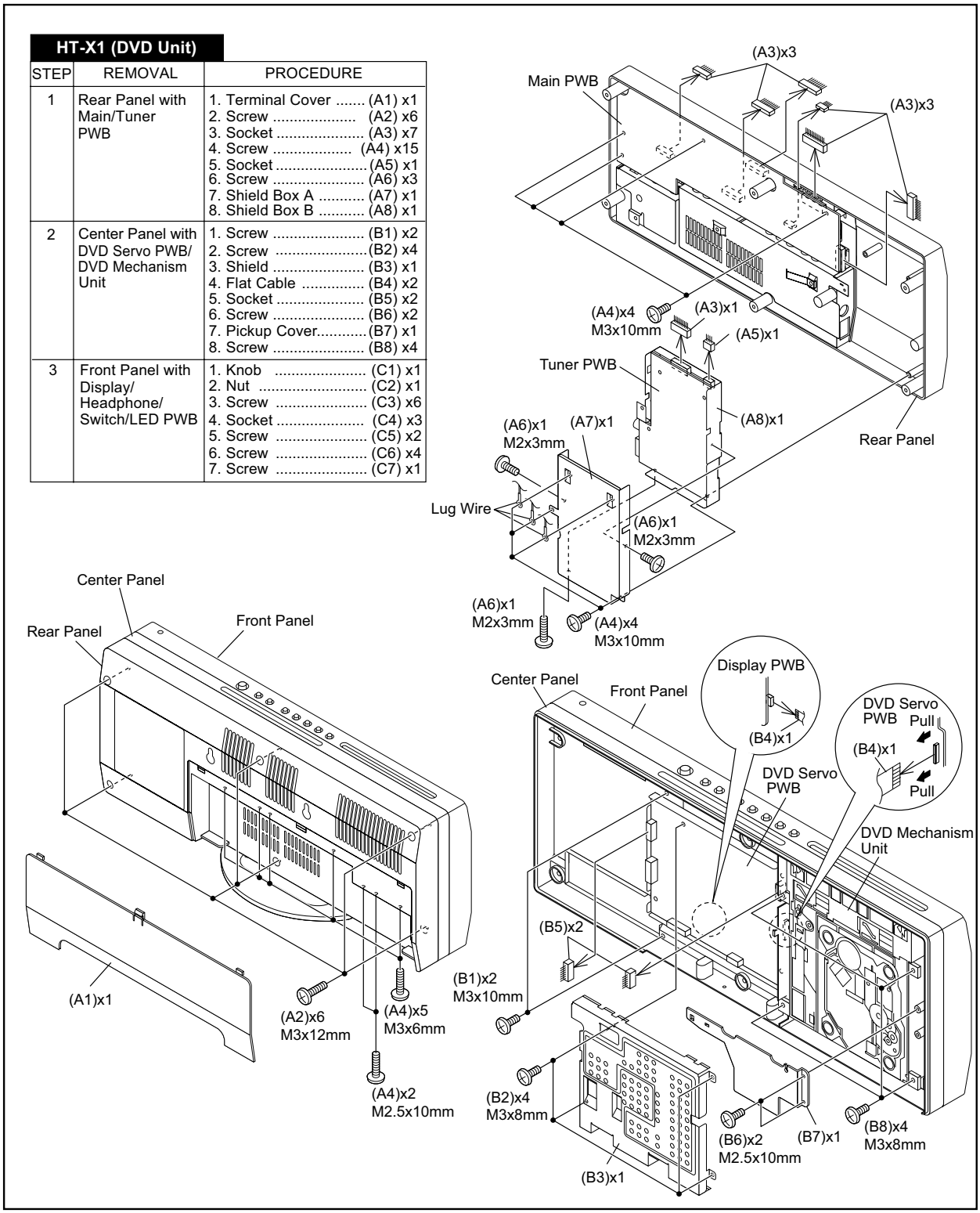
Caution on Disassembly

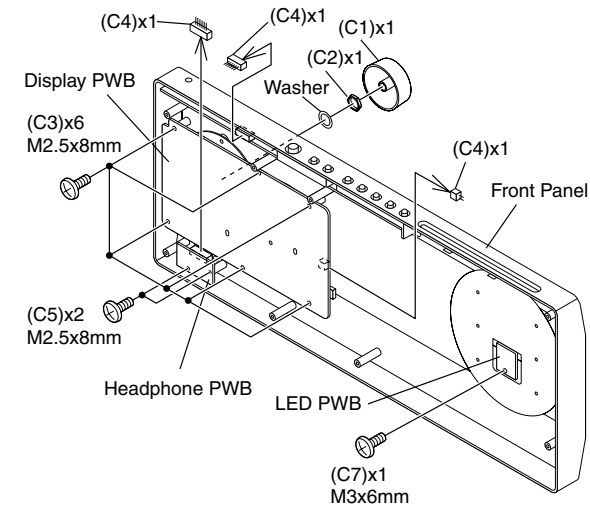
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

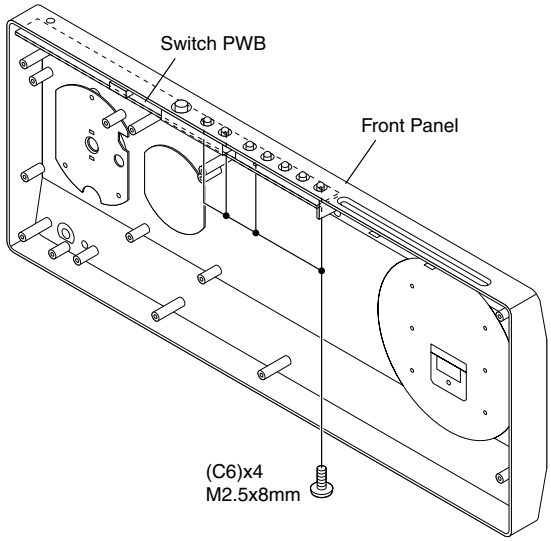
1. Take cassette tape, and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

HT-X1 (DVD Unit)

STEP	REMOVAL	PROCEDURE
1	Rear Panel with Main/Tuner PWB	1. Terminal Cover ..... (A1) x1 2. Screw ..... (A2) x6 3. Socket ..... (A3) x7 4. Screw ..... (A4) x15 5. Socket ..... (A5) x1 6. Screw ..... (A6) x3 7. Shield Box A ..... (A7) x1 8. Shield Box B ..... (A8) x1
2	Center Panel with DVD Servo PWB/ DVD Mechanism Unit	1. Screw ..... (B1) x2 2. Screw ..... (B2) x4 3. Shield ..... (B3) x1 4. Flat Cable ..... (B4) x2 5. Socket ..... (B5) x2 6. Screw ..... (B6) x2 7. Pickup Cover..... (B7) x1 8. Screw ..... (B8) x4
3	Front Panel with Display/ Headphone/ Switch/LED PWB	1. Knob ..... (C1) x1 2. Nut ..... (C2) x1 3. Screw ..... (C3) x6 4. Socket ..... (C4) x3 5. Screw ..... (C5) x2 6. Screw ..... (C6) x4 7. Screw ..... (C7) x1

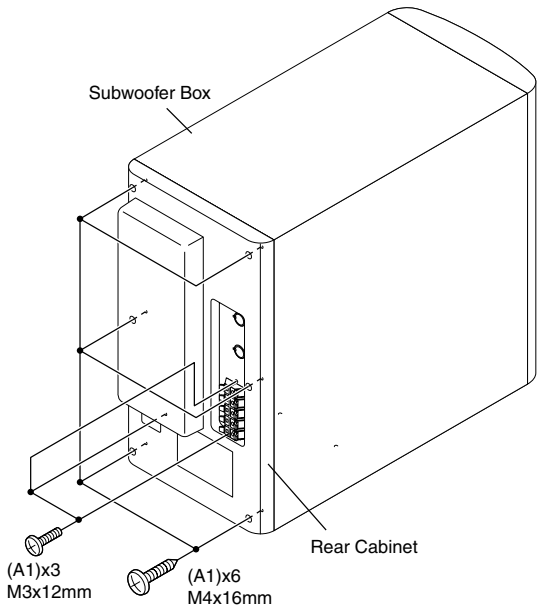


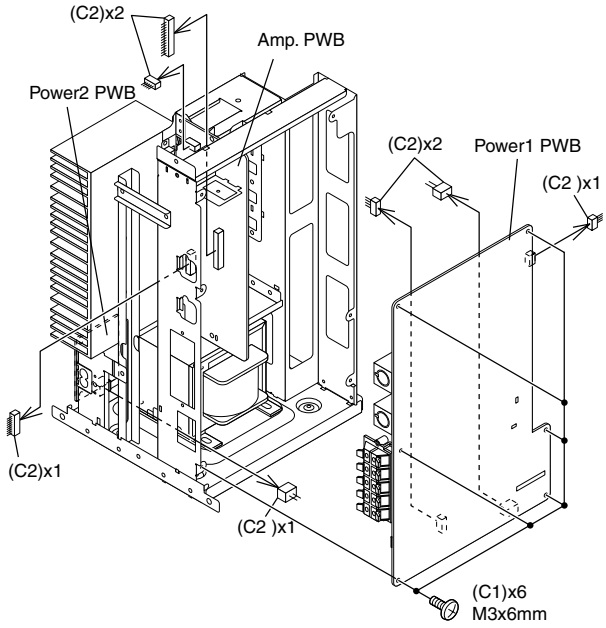

(C4)x1
(C4)x1
(C1)x1
(C2)x1
Washer
Display PWB
(C3)x6
M2.5x8mm
(C4)x1
Front Panel
(C5)x2
M2.5x8mm
Headphone PWB
LED PWB
(C7)x1
M3x6mm

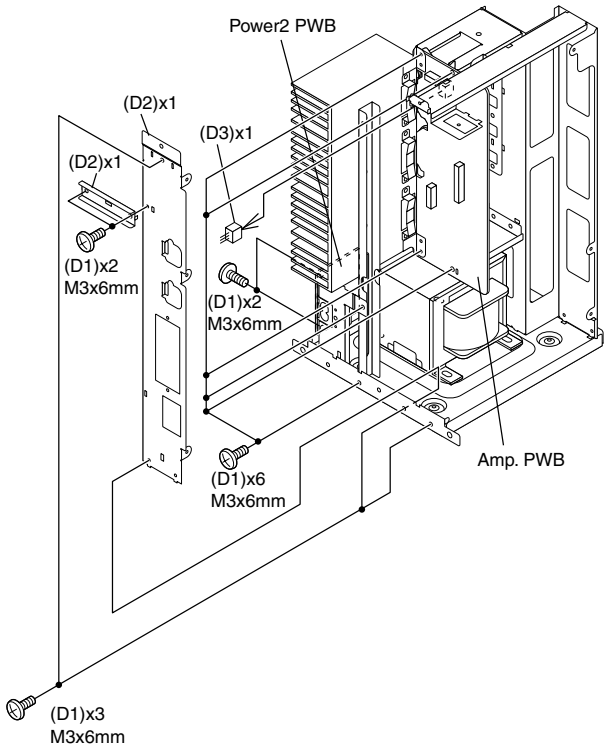

Switch PWB
Front Panel
(C6)x4
M2.5x8mm

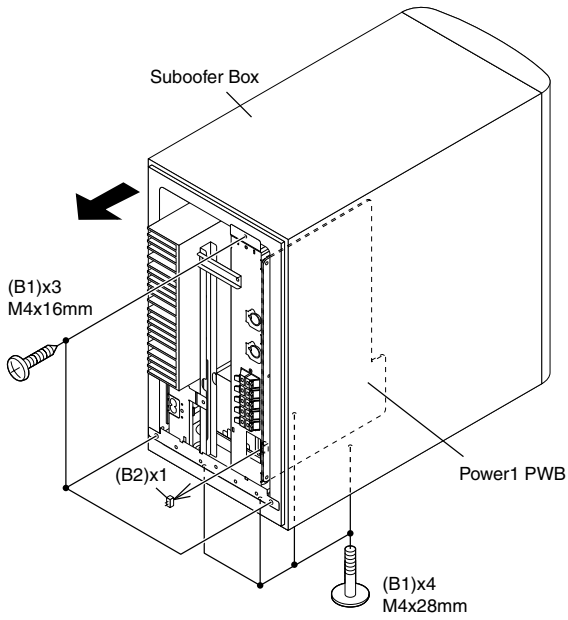
HT-X1 (Subwoofer Unit)

STEP	REMOVAL	PROCEDURE
1	Rear Cabinet	1. Screw ..... (A1) x9
2	Amp. Unit	1. Screw ..... (B1) x7 2. Socket ..... (B2) x1 3. It pulls out to the front.
3	Power1 PWB	1. Screw ..... (C1) x6 2. Socket ..... (C2) x7
4	Amp./Power2 PWB	1. Screw ..... (D1) x13 2. Bracket ..... (D2) x2 3. Socket ..... (D3) x1









—— MEMO ——

CHAPTER 4. DIAGRAMS

[1] Block diagram

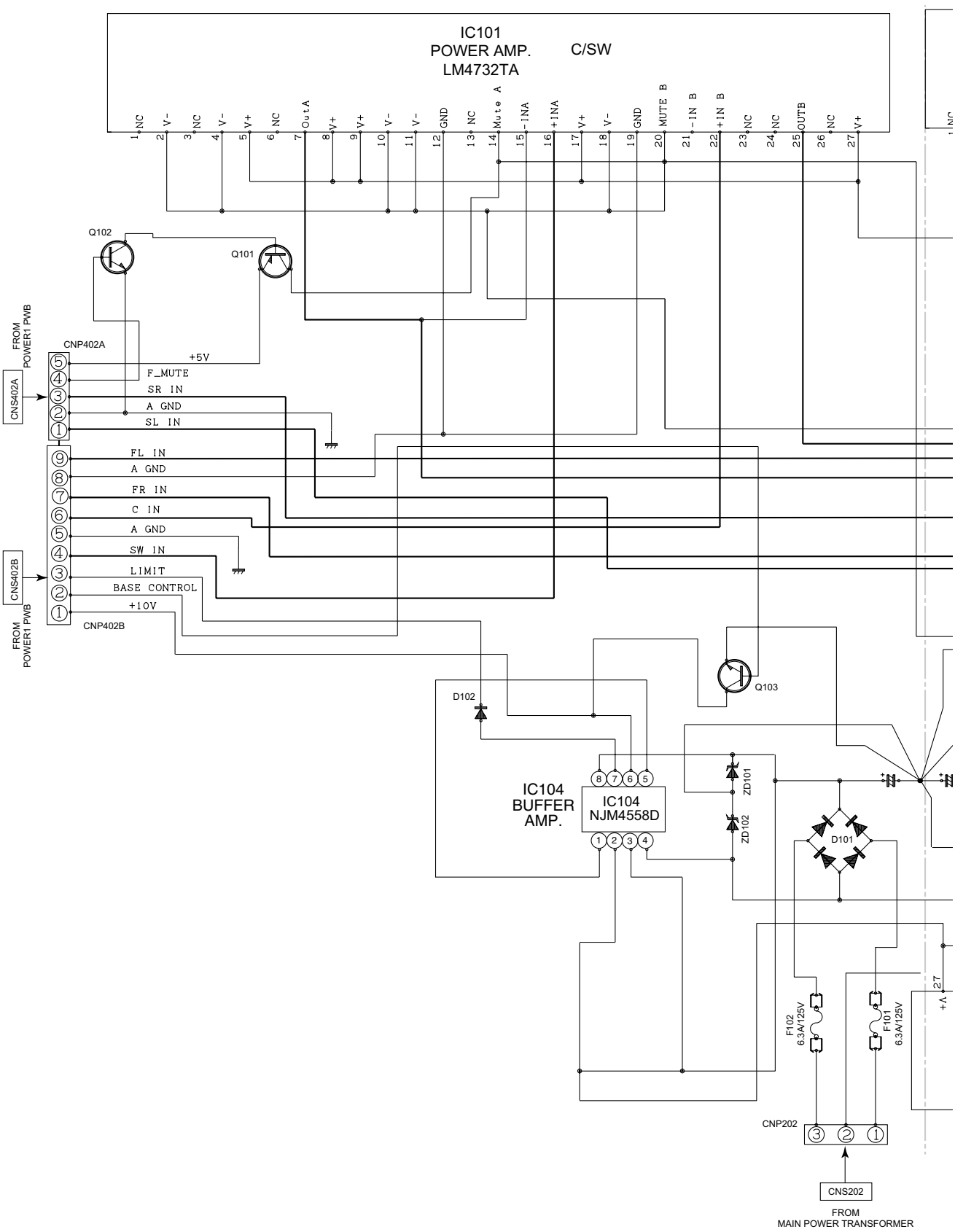


Figure 4-1 BLOCK DIAGRAM (1/8)

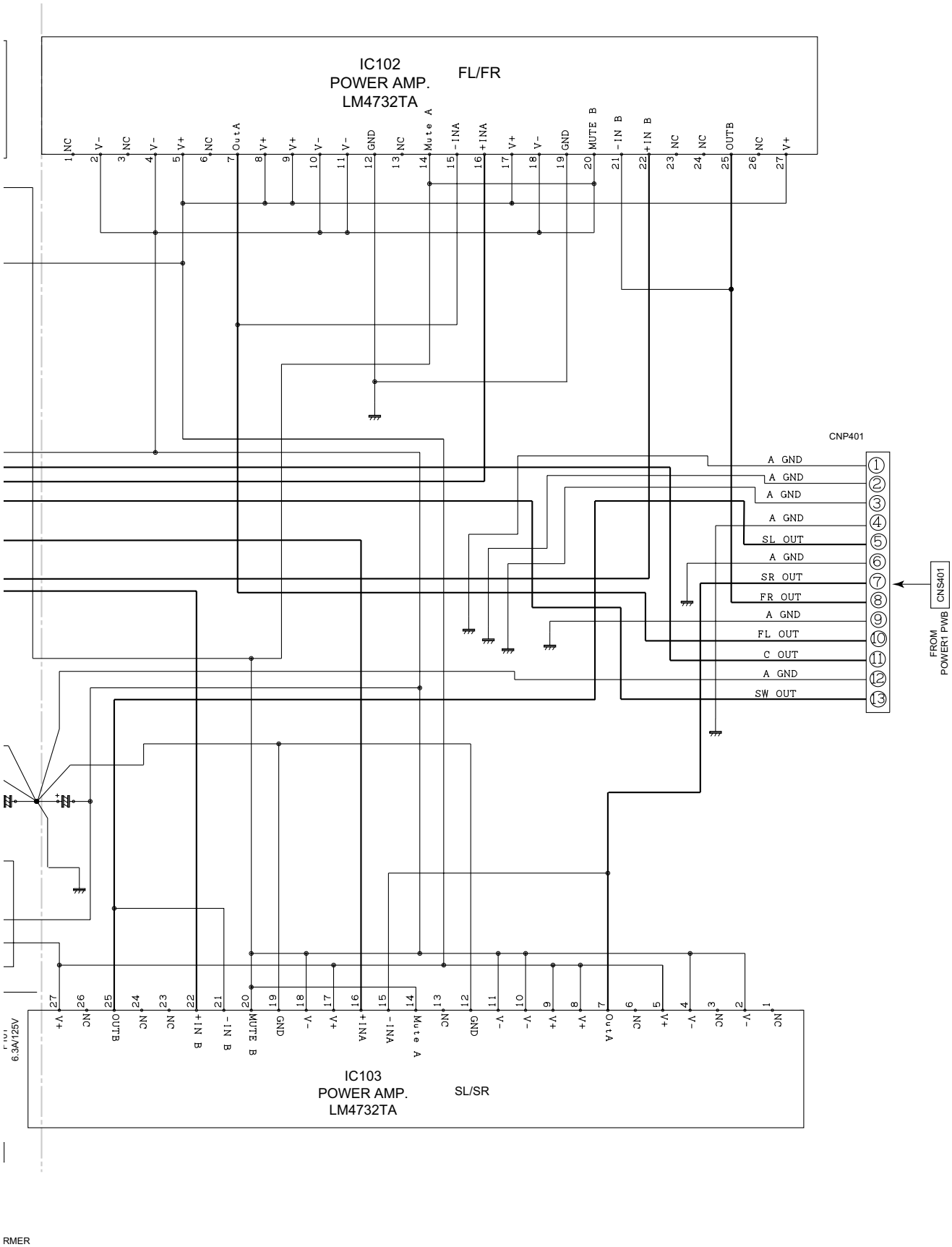


Figure 4-2 BLOCK DIAGRAM (2/8)

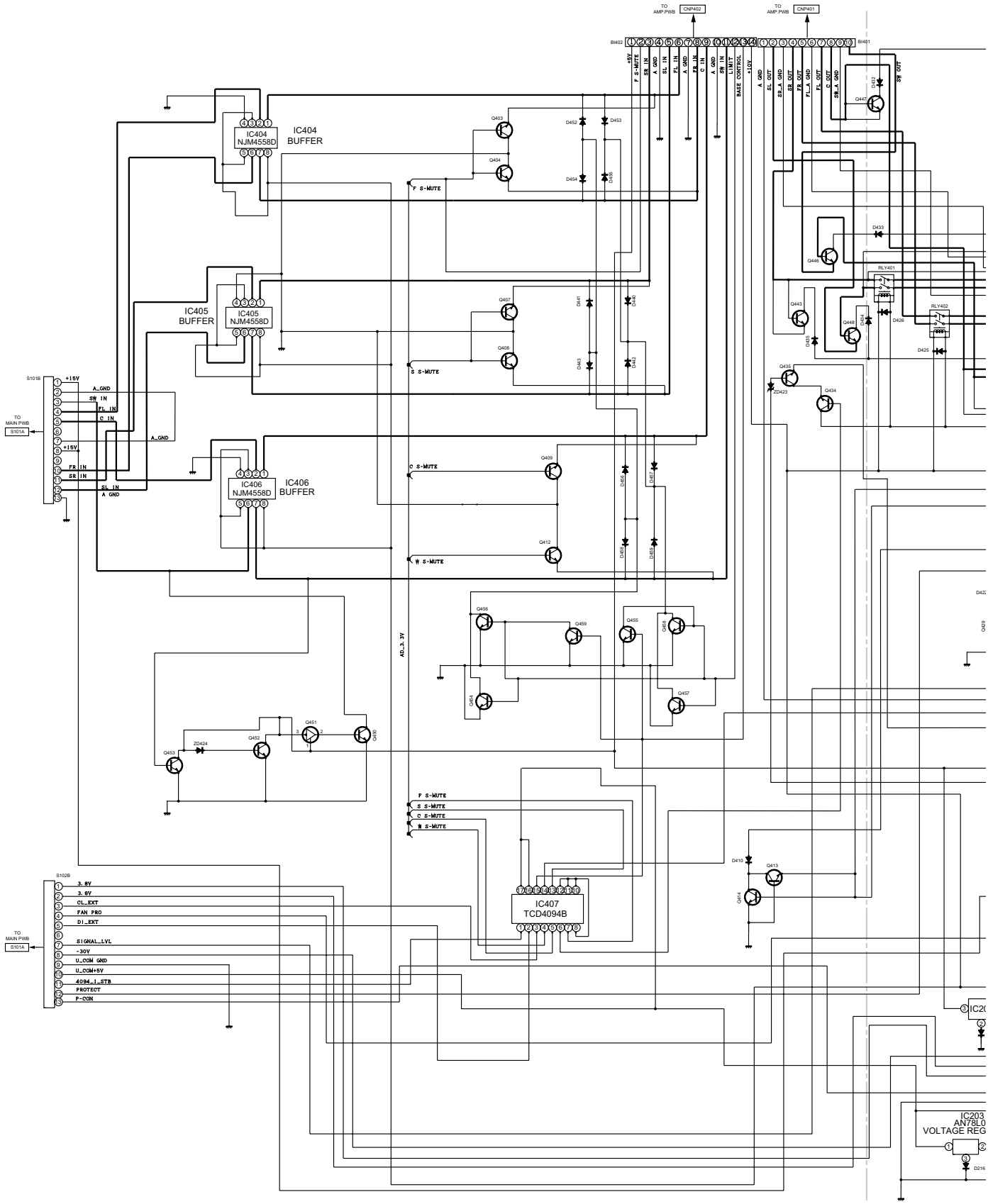


Figure 4-3 BLOCK DIAGRAM (3/8)

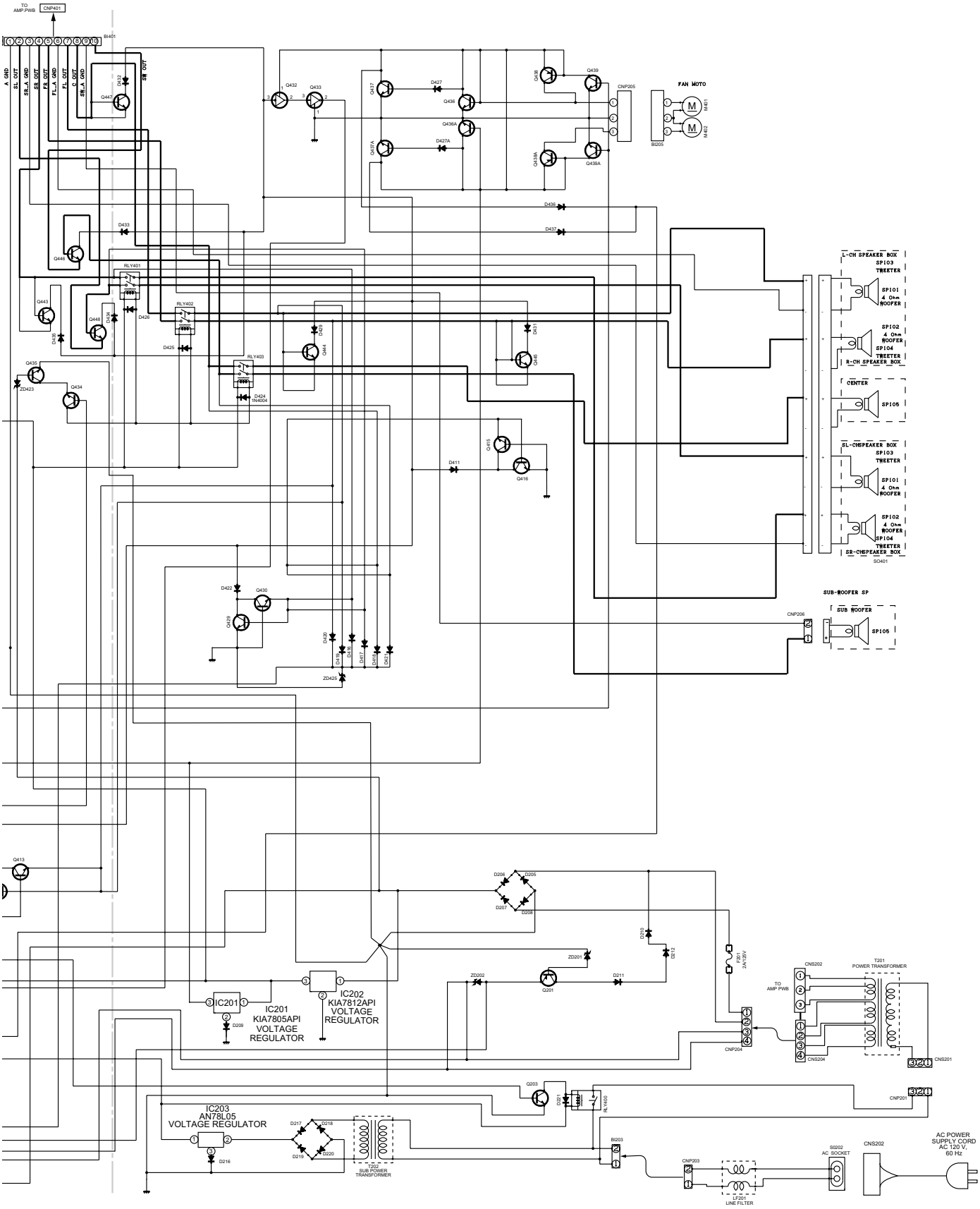


Figure 4-4 BLOCK DIAGRAM (4/8)

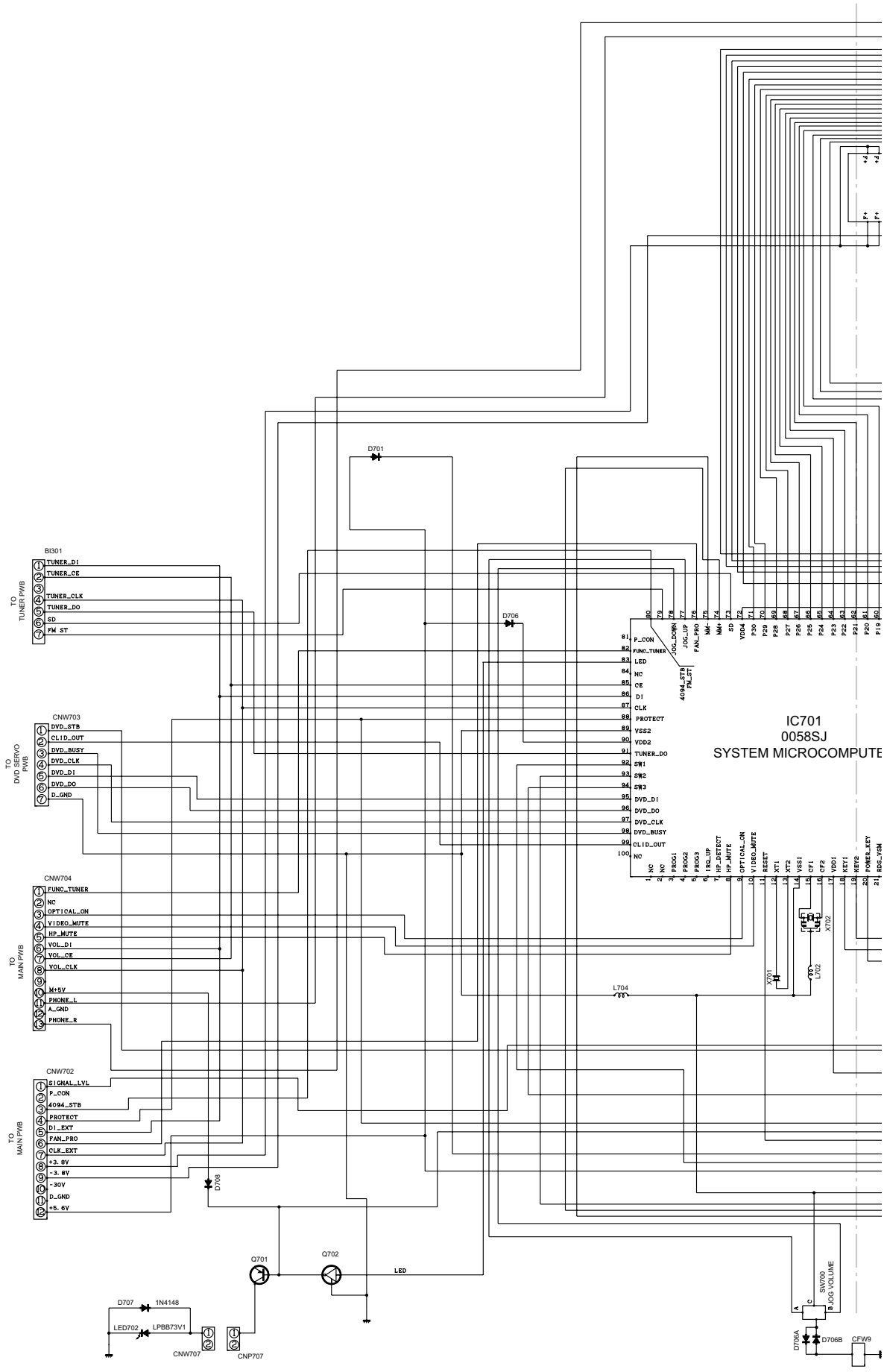


Figure 4-5 BLOCK DIAGRAM (5/8)

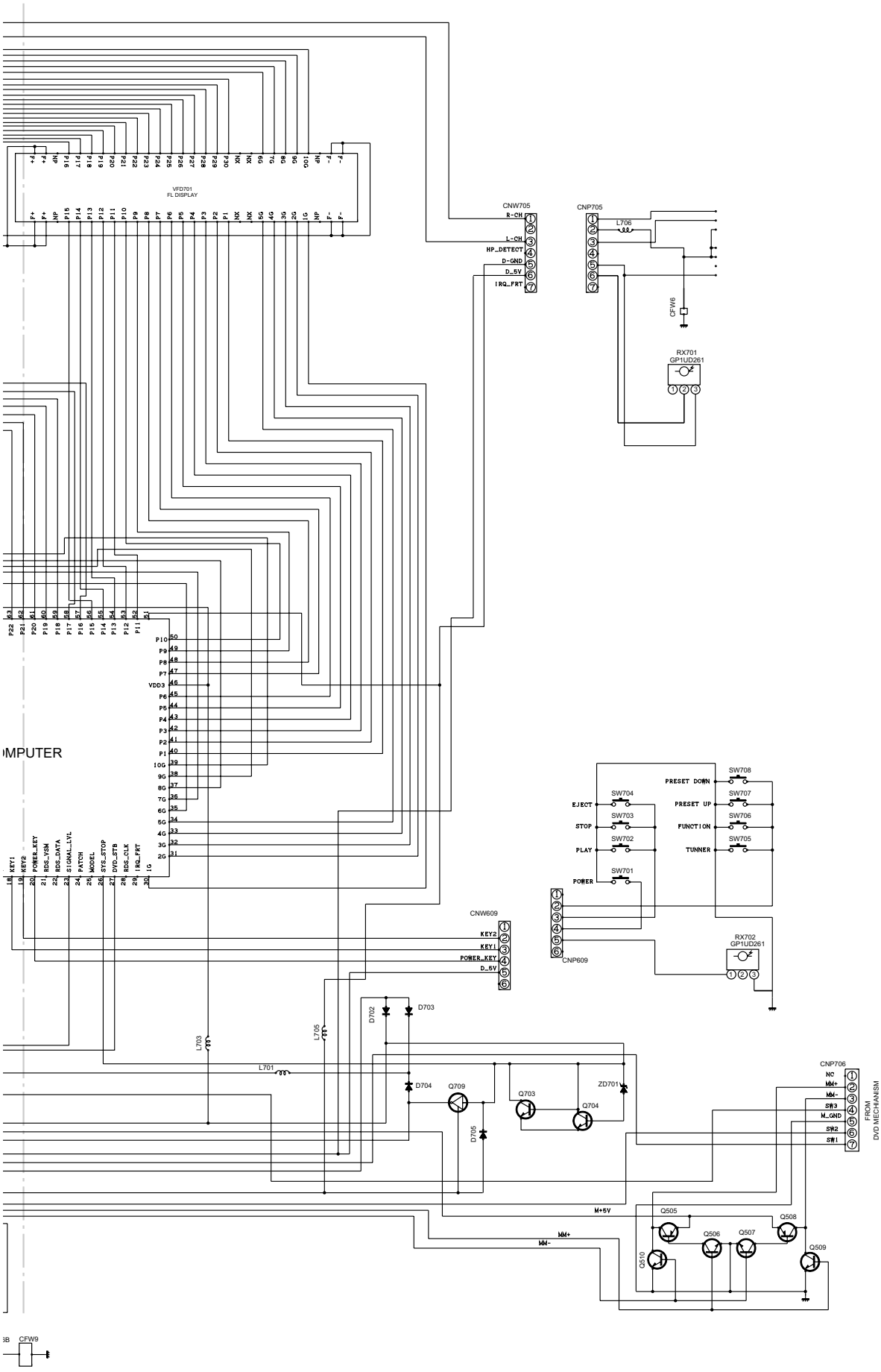


Figure 4-6 BLOCK DIAGRAM (6/8)

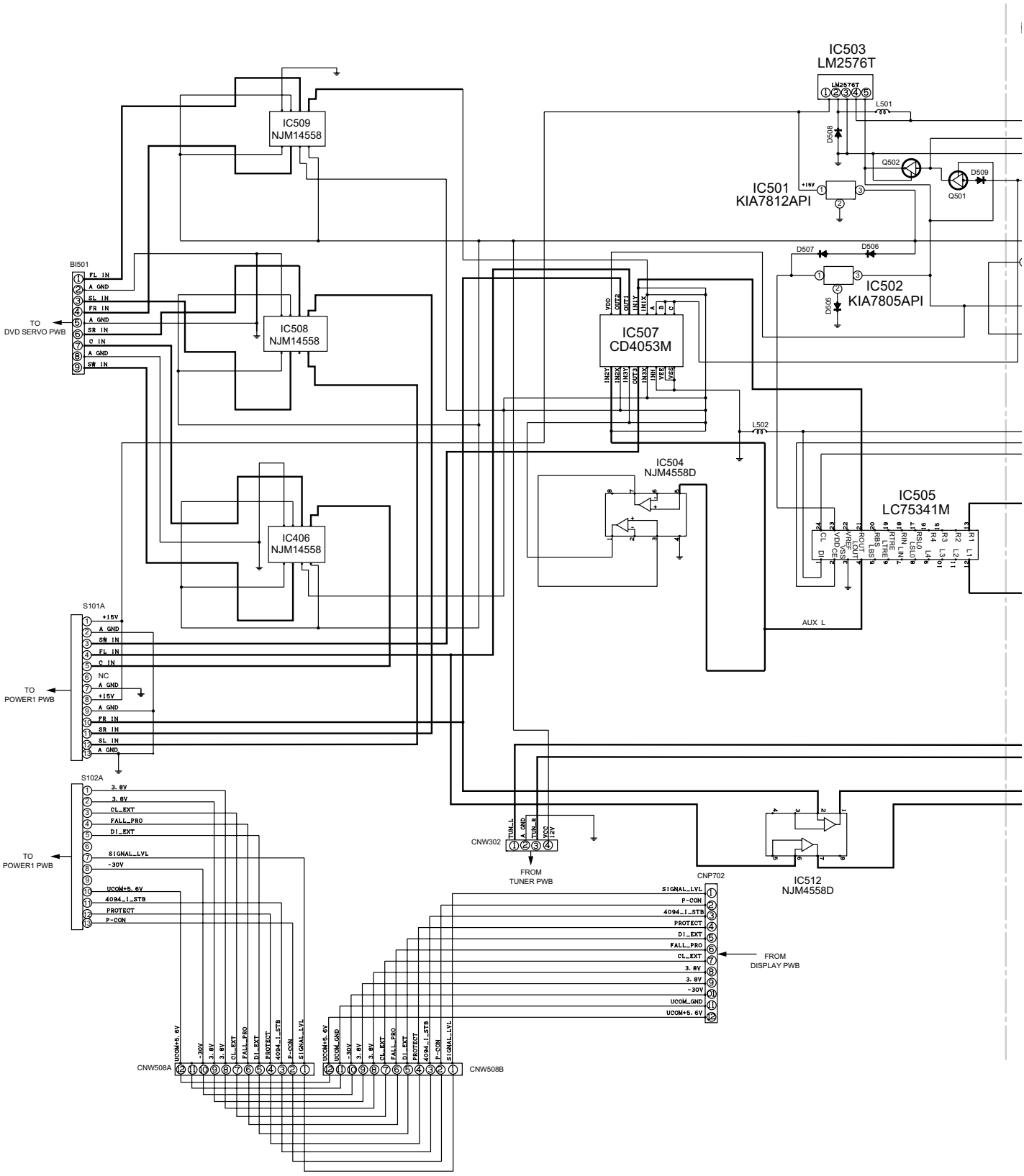


Figure 4-7 BLOCK DIAGRAM (7/8)

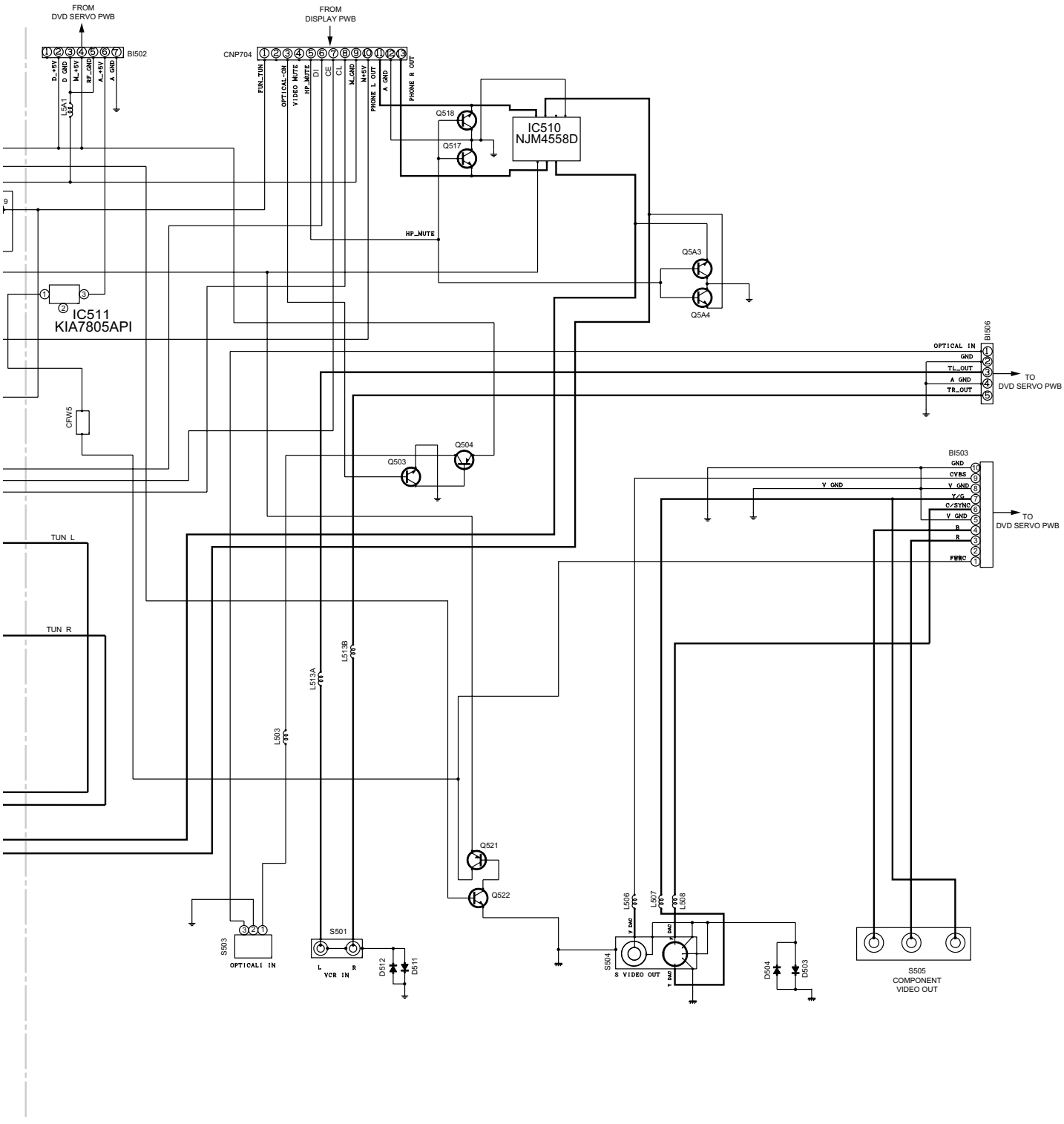


Figure 4-8 BLOCK DIAGRAM (8/8)

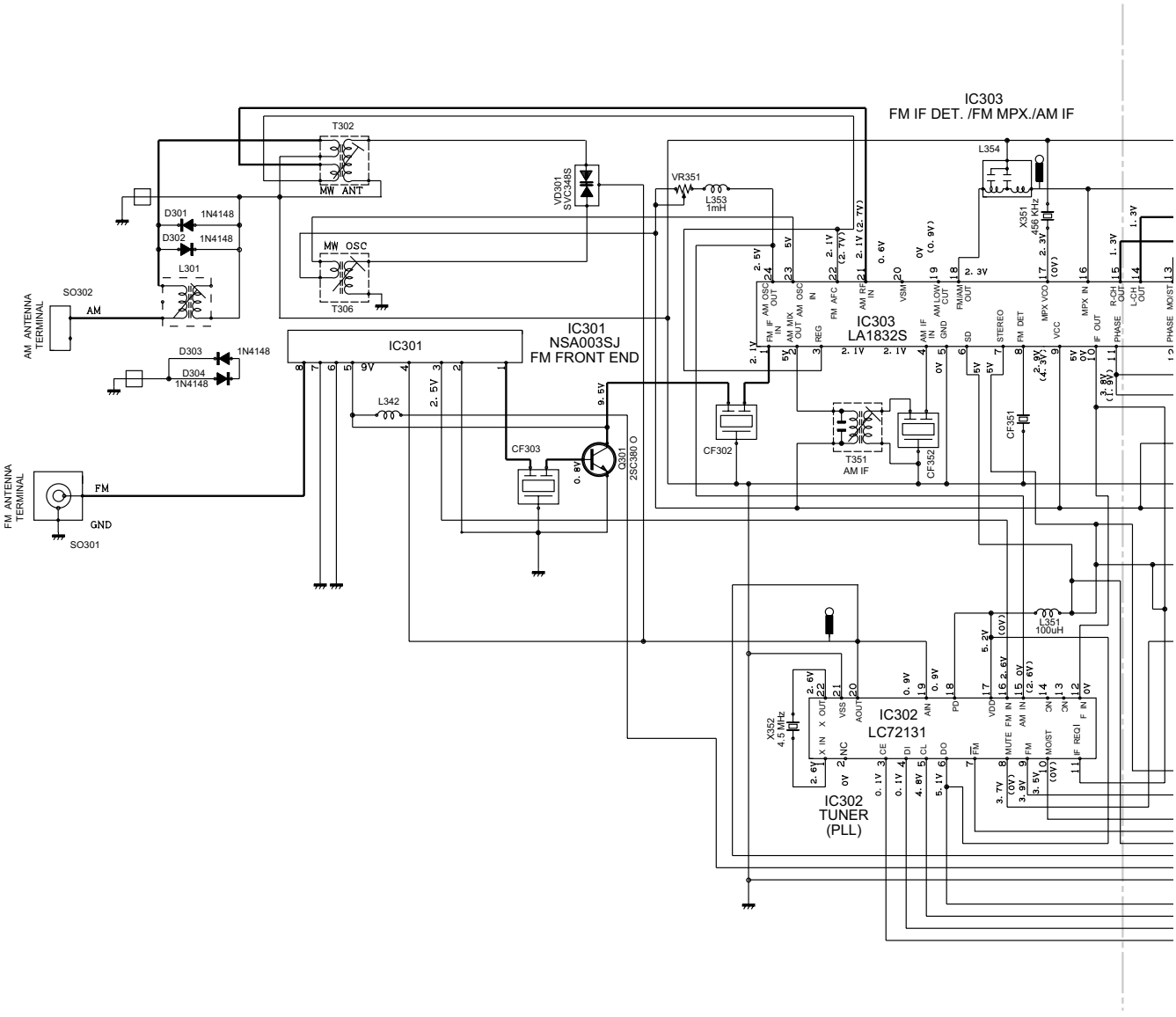


Figure 4-9 BLOCK DIAGRAM (8/10)

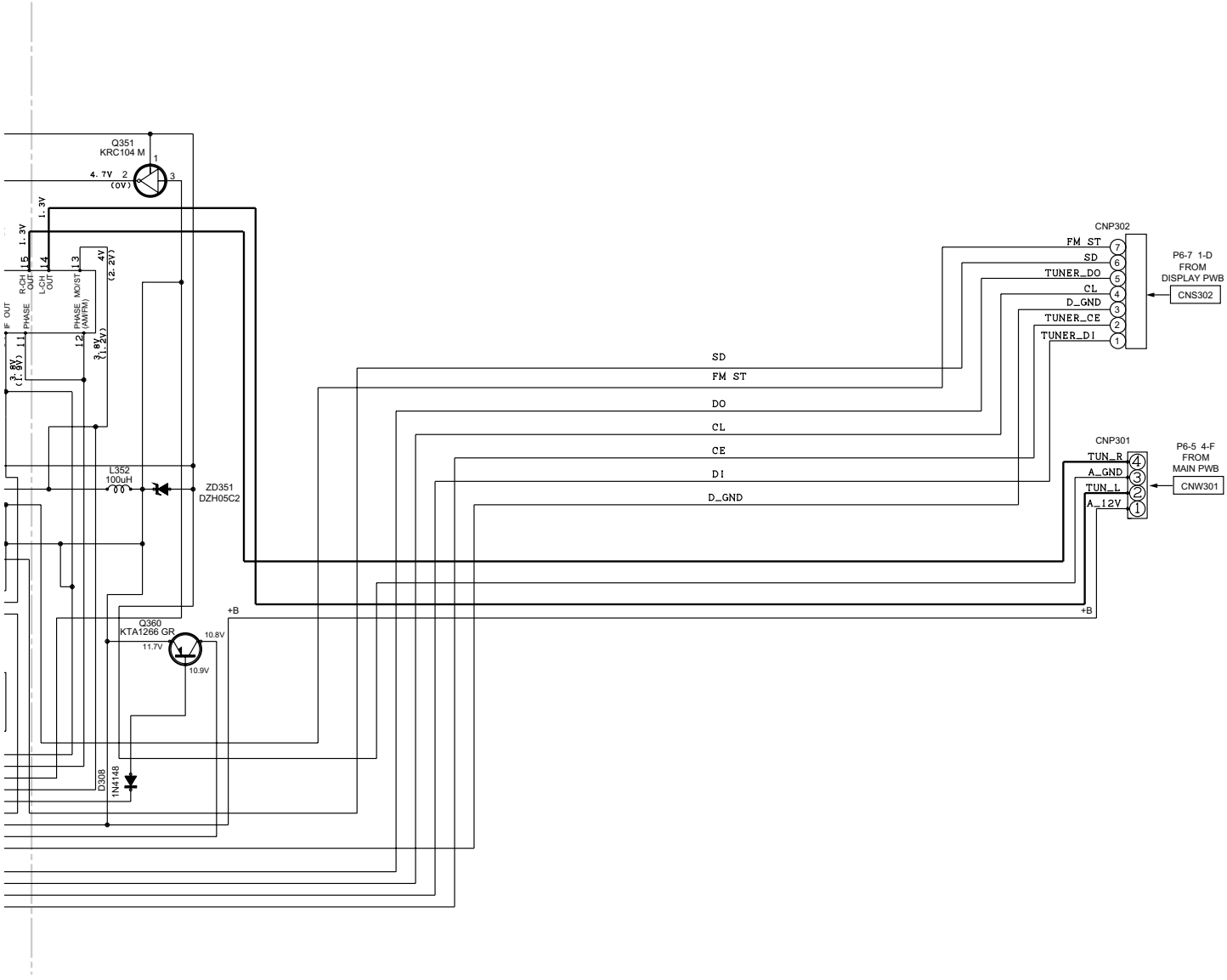


Figure 4-10 BLOCK DIAGRAM (8/10)

CHAPTER 5. CIRCUIT DESCRIPTION

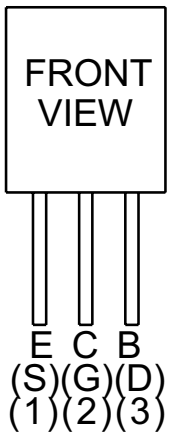
[1] Notes on schematic diagram

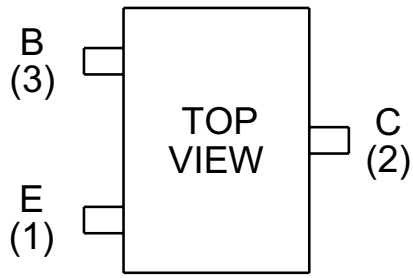
- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ “ (⊏ 二 二 二 ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW700	JOG VOLUME	ON—OFF
SW701	POWER	ON—OFF
SW702	PLAY	ON—OFF
SW703	STOP	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW704	EJECT	ON—OFF
SW705	TUNER	ON—OFF
SW706	FUNCTION	ON—OFF
SW707	PRESET UP	ON—OFF
SW708	PRESET DOWN	ON—OFF

[2] Types of transistor

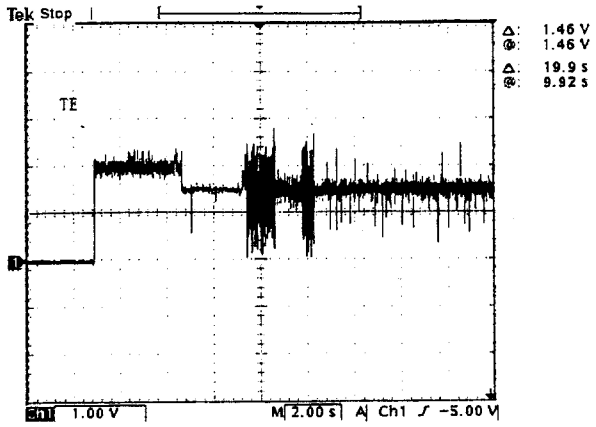


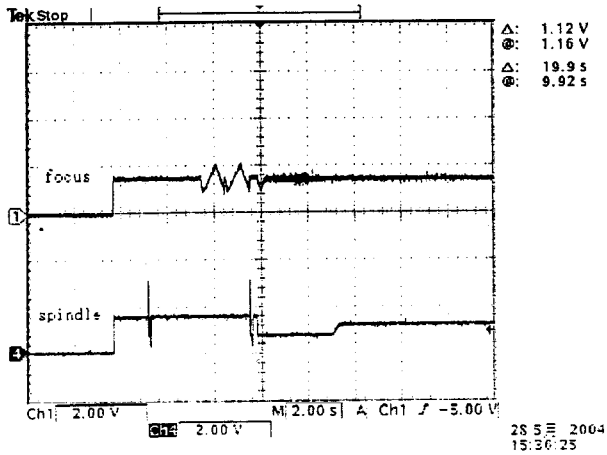


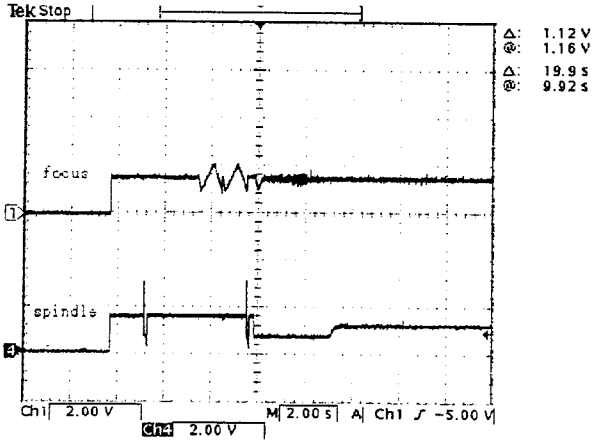
2HC1815 GR
2SC535 C
2SC380 O
KRC104 M
KTA1266 GR
KTA1271 Y
KRA107 M
KRC107 M
KTC3199 GR
KTC3200 GR
KTC3203 Y
2SB561 C
2SB562 C

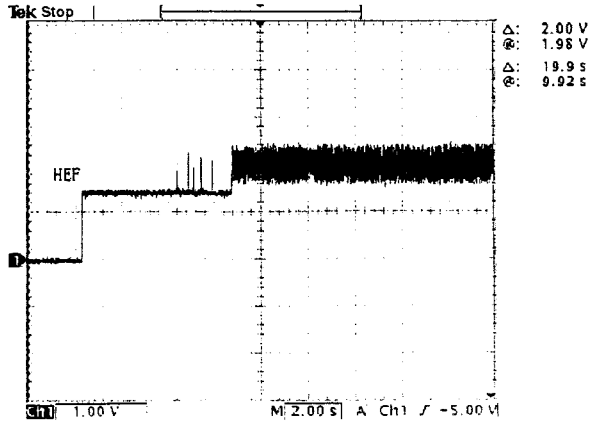
2SD601 AR

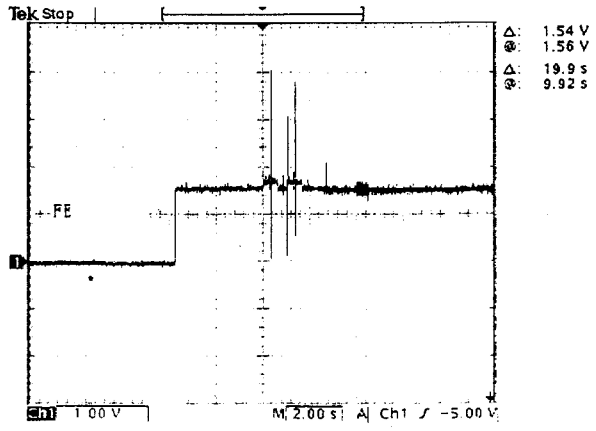
[3] Waveforms of circuit











[4] Voltage

IC101	
PIN NO.	VOLTAGE
1	30.59 V
2	30.55 V
3	30.59 V
4	-30.55 V
5	30.59 V
6	——
7	——
8	30.59 V
9	30.6 V
10	-30.6 V
11	-30.6 V
12	——
13	——
14	-3.33 V
15	——
16	——
17	30.59 V
18	-30.6 V
19	——
20	-3.33 V
21	——
22	——
23	——
24	——
25	——
26	——
27	30.59 V

IC102	
PIN NO.	VOLTAGE
1	30.59 V
2	30.55 V
3	30.59 V
4	-30.55 V
5	30.59 V
6	——
7	——
8	30.59 V
9	30.6 V
10	-30.6 V
11	-30.6 V
12	——
13	——
14	-3.33 V
15	——
16	——
17	30.59 V
18	-30.6 V
19	——
20	-3.33 V
21	——
22	——
23	——
24	——
25	——
26	——
27	30.59 V

IC103	
PIN NO.	VOLTAGE
1	30.59 V
2	30.55 V
3	30.59 V
4	-30.55 V
5	30.59 V
6	——
7	——
8	30.59 V
9	30.6 V
10	-30.6 V
11	-30.6 V
12	——
13	——
14	-3.33 V
15	——
16	——
17	30.59 V
18	-30.6 V
19	——
20	-3.33 V
21	——
22	——
23	——
24	——
25	——
26	——
27	30.59 V

IC104	
PIN NO.	VOLTAGE
1	-8.57 V
2	2.77 V
3	1.02 V
4	-9.94 V
5	-8.56 V
6	3.86 V
7	-8.61 V
8	10.04 V

IC201	
PIN NO.	VOLTAGE
1	11.7 V
2	0.62 V
3	5.58 V

IC202	
PIN NO.	VOLTAGE
1	19.8 V
2	0 V
3	11.99 V

IC203	
PIN NO.	VOLTAGE
1	5.7 V
2	10.36 V
3	0.59 V

IC302	
PIN NO.	VOLTAGE
1	1.85 V
2	——
3	——
4	——
5	——
6	4.23 V
7	11.01 V
8	——
9	2.67 V
10	2.57V
11	——
12	——
13	1.16 V
14	——
15	2.3 V
16	2.31 V
17	4.06 V
18	0.72 V
19	0.72 V
20	2.25 V
21	——
22	1.79 V

IC303	
PIN NO.	VOLTAGE
1	1.86 V
2	3.77 V
3	1.85 V
4	1.86 V
5	1.71 V
6	1.08 V
7	4.46 V
8	2.22 V
9	4.23 V
10	3.87 V
11	2.5 V
12	2.89 V
13	2.28 V
14	3.77 V
15	2.27 V
16	2.27 V
17	1.25 V
18	1.31 V
19	1.98 V
20	1.65 V
21	1.84 V
22	1.85 V
23	0.99 V
24	2.76 V

IC404	
PIN NO.	VOLTAGE
1	5.43 V
2	5.41 V
3	5.43 V
4	0 V
5	5.43 V
6	5.43 V
7	5.42 V
8	10.83 V

IC405	
PIN NO.	VOLTAGE
1	5.43 V
2	5.41 V
3	5.43 V
4	0 V
5	5.43 V
6	5.43 V
7	5.42 V
8	10.83 V

IC406	
PIN NO.	VOLTAGE
1	5.43 V
2	5.41 V
3	5.43 V
4	0 V
5	5.43 V
6	5.43 V
7	5.42 V
8	10.83 V

IC407	
PIN NO.	VOLTAGE
1	0.33 V
2	0.33 V
3	0.35 V
4	——
5	——
6	——
7	——
8	——
9	——
10	——
11	——
12	——
13	——
14	
15	5.6 V
16	5.6 V

IC501	
PIN NO.	VOLTAGE
1	19.41 V
2	——
3	11.74 V

IC502	
PIN NO.	VOLTAGE
1	10.34 V
2	0.62 V
3	5.61 V

IC511	
PIN NO.	VOLTAGE
1	11.44 V
2	0.44 V
3	5.38 V

IC503	
PIN NO.	VOLTAGE
1	19.4 V
2	5.64 V
3	0.35 V
4	5.65 V
5	0.35 V

IC505	
PIN NO.	VOLTAGE
1	0.34 V
2	——
3	——
4	4.06 V
5	——
6	——
7	4.04 V
8	4.06 V
9	——
10	——
11	——
12	4.05 V
13	4.05 V
14	——
15	——
16	——
17	4.05 V
18	4.05 V
19	4.05 V
20	4.05 V
21	4.07 V
22	4.06 V
23	8.07 V
24	0.34 V

IC506	
PIN NO.	VOLTAGE
1	5.37 V
2	5.37 V
3	5.37 V
4	——
5	5.37 V
6	5.37 V
7	5.37 V
8	11.11 V

IC507	
PIN NO.	VOLTAGE
1	5.37 V
2	5.37 V
3	5.37 V
4	——
5	5.37 V
6	5.37 V
7	5.37 V
8	11.11 V

IC508	
PIN NO.	VOLTAGE
1	5.37 V
2	5.37 V
3	5.37 V
4	——
5	5.37 V
6	5.37 V
7	5.37 V
8	11.11 V

IC510	
PIN NO.	VOLTAGE
1	5.35 V
2	5.35 V
3	5.35 V
4	——
5	5.35 V
6	5.35 V
7	5.35 V
8	11.01 V

IC512	
PIN NO.	VOLTAGE
1	5.35 V
2	5.35 V
3	5.35 V
4	——
5	5.35 V
6	5.35 V
7	5.35 V
8	11.01 V

Q101	
PIN NO.	VOLTAGE
B	5.61 V
C	3.31 V
E	5.4 V

Q102	
PIN NO.	VOLTAGE
B	——
C	5.52 V
E	——

Q103	
PIN NO.	VOLTAGE
B	0.038 V
C	——
E	0.011 V

Q201	
PIN NO.	VOLTAGE
B	-28 V
C	-32 V
E	-29.3 V

Q203	
PIN NO.	VOLTAGE
B	——
C	——
E	0.76 V

Q301	
PIN NO.	VOLTAGE
B	——
C	8.89 V
E	0.69 V

Q351	
PIN NO.	VOLTAGE
B	0.005 V
C	——
E	0.01 V

Q360	
PIN NO.	VOLTAGE
B	10.67 V
C	10.4 V
E	9.9 V

Q403	
PIN NO.	VOLTAGE
B	0.019 V
C	0.019 V
E	0.019 V

Q404	
PIN NO.	VOLTAGE
B	0.019 V
C	0.019 V
E	0.021 V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	——	51	——
2	——	52	-25.15 V
3	——	53	-25.22 V
4	——	54	-15.21 V
5	——	55	-11.89 V
6	4.53 V	56	-25.18 V
7	0 V	57	-21.89 V
8	4.05 V	58	-25.2 V
9	0 V	59	-25.19 V
10	4.62 V	60	-25.2 V
11	4.53 V	61	-25.2 V
12	1.79 V	62	-25.2 V
13	——	63	-28.5 V
14	——	64	-25.2 V
15	2.2 V	65	-25.2 V
16	2.02 V	66	-28.51 V
17	4.57 V	67	-25.5 V
18	4.55 V	68	-25.5 V
19	4.55 V	69	-25.2 V
20	4.55 V	70	-28.5 V
21	0.67 V	71	-25.18 V
22	4.55 V	72	-4.55 V
23	——	73	4.72 V
24	——	74	——
25	0.47 V	75	——
26	4.55 V	76	4.45 V
27	3.01 V	77	4.46 V
28	2.77 V	78	4.46 V
29	4.57 V	79	4.39 V
30	-26.25 V	80	——
31	-26.23 V	81	4.5 V
32	-26.2 V	82	——
33	-26.2 V	83	4.5 V
34	-26.2 V	84	——
35	-26.2 V	85	——
36	-26.19 V	86	——
37	-26.2 V	87	——
38	-26.2 V	88	5.5 V
39	-26.21 V	89	——
40	-28.44 V	90	4.88 V
41	-18.55 V	91	4.92 V
42	-21.84 V	92	——
43	-25.15 V	93	4.77 V
44	-28.44 V	94	——
45	-28.47 V	95	4.86 V
46	——	96	3.83 V
47	-11.91 V	97	3.34 V
48	-18.5 V	98	——
49	-18.5 V	99	——
50	-25.13 V	100	——

Q407	
PIN NO.	VOLTAGE
B	0.019 V
C	0.019 V
E	0.019 V

Q436	
PIN NO.	VOLTAGE
B	——
C	——
E	0.71 V

Q408	
PIN NO.	VOLTAGE
B	0.019 V
C	0.019 V
E	0.02 V

Q436A	
PIN NO.	VOLTAGE
B	——
C	——
E	0.71 V

Q430	
PIN NO.	VOLTAGE
B	——
C	5.8 V
E	——

Q437	
PIN NO.	VOLTAGE
B	——
C	5.38 V
E	——

Q432	
PIN NO.	VOLTAGE
B	5.6 V
C	——
E	5.6 V

Q437A	
PIN NO.	VOLTAGE
B	——
C	5.38 V
E	——

Q434	
PIN NO.	VOLTAGE
B	——
C	3.69 V
E	——

Q438	
PIN NO.	VOLTAGE
B	5.63 V
C	——
E	0.56 V

Q438A	
PIN NO.	VOLTAGE
B	5.6 V
C	——
E	5.6 V

Q439	
PIN NO.	VOLTAGE
B	——
C	5.6 V
E	——

Q439A	
PIN NO.	VOLTAGE
B	——
C	5.6 V
E	——

Q443	
PIN NO.	VOLTAGE
B	——
C	5.77 V
E	——

Q458	
PIN NO.	VOLTAGE
B	0.019 V
C	——
E	0.019 V

Q459	
PIN NO.	VOLTAGE
B	0.019 V
C	0.019 V
E	0.019 V

Q456	
PIN NO.	VOLTAGE
B	0.019 V
C	——
E	0.019 V

Q455	
PIN NO.	VOLTAGE
B	0.019 V
C	0.019 V
E	0.019 V

Q505	
PIN NO.	VOLTAGE
B	4.57 V
C	0.87 V
E	4.11 V

Q508	
PIN NO.	VOLTAGE
B	4.57 V
C	0.56 V
E	4.1 V

Q701	
PIN NO.	VOLTAGE
B	4.57 V
C	4.52 V
E	3.82 V

Q702	
PIN NO.	VOLTAGE
B	——
C	0.0025 V
E	3.87 V

Q703	
PIN NO.	VOLTAGE
B	——
C	4.53 V
E	——

U1	
PIN NO	VOLTAGE
1	4.78 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	NC
10	NC
11	0 V
12	0 V
13	0 V
14	0 V
15	4.8 V
16	2.4 V
17	2.4 V
18	0 V
19	2.4 V
20	0 V
21	2.4 V
22	0 V
23	2.4 V
24	VOLTAGE
25	2.4 V
26	0 V
27	2.4 V
28	4.8 V

U3	
PIN NO	VOLTAGE
1	0 V
2	0 V
3	1.4 V
4	0.12 V
5	4.97 V
6	4.97 V
7	0.23 V
8	0.80 V
9	0 V
10	0 V
11	4.97 V
12	0 V
13	1.2 V
14	1.83 V
15	0 V
16	4.97 V
17	0.28 V
18	0.28 V
19	4.97 V
20	4.97 V

Q1	
PIN NO	VOLTAGE
1	0.8 V
2	2.0 V
3	3.3 V
4	2.0 V

Q2	
PIN NO	VOLTAGE
1	2.0 V
2	3.2 V
3	4.86 V
4	3.2 V

Q3	
PIN NO	VOLTAGE
1	2.14 V
2	3.38 V
3	5.46 V
4	3.38 V

Q5	
PIN NO	VOLTAGE
E	1.5 V
B	0 V
C	0.86 V

Q10	
PIN NO	VOLTAGE
E	4.32 V
B	2.24 V
C	3.6 V

U2	
PIN NO	VOLTAGE
1	0 V
2	0 V
3	0.6 V
4	0 V
5	3.35 V
6	3.35 V
7	3.35 V
8	3.35 V

U4	
PIN NO	VOLTAGE
1	2.5 V
2	2.5 V
3	0 V
4	5 V
5	1.6 V
6	1.6 V
7	1.6 V
8	2 V
9	0 V
10	4.2 V
11	5 V
12	0 V
13	4.37 V
14	2.5 V

U6	
PIN NO	VOLTAGE
1	3.6 V
2	1.3 V
3	2.08 V
4	0 V
5	1.84 V
6	1.65 V
7	4.42 V
8	4.98 V

U10	
PIN NO	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	4.8 V
6	4.8 V
7	0 V
8	4.96 V

U12	
PIN NO	VOLTAGE
1	NC
2	0 V
3	NC
4	4.96 V
5	4.96 V

Q12	
PIN NO	VOLTAGE
E	0 V
B	0.22 V
C	0.15 V

Q13	
PIN NO	VOLTAGE
E	0 V
B	0 V
C	4.6 V

Q14	
PIN NO	VOLTAGE
E	0 V
B	0.15 V
C	0.68 V

Q15	
PIN NO	VOLTAGE
E	0 V
B	4.6 V
C	0 V

Q16	
PIN NO	VOLTAGE
E	5 V
B	0.8 V
C	0 V

U7	
PIN NO	VOLTAGE
1	NC
2	NC
3	2.46 V
4	2.46 V
5	2.46 V
6	2.46 V
7	3.55 V
8	3.55 V
9	2.56 V
10	2.56 V
11	2.56 V
12	2.57 V
13	2.56 V
14	2.56 V
15	2.56 V
16	2.54 V
17	2.54 V
18	2.54 V
19	4.93 V
20	2.47 V
21	4.9 V
22	3.2 V
23	0.15 V
24	0 V
25	3.29 V
26	0 V
27	2.39 V
28	2.39 V
29	2.1 V
30	2.1 V
31	0 V
32	0 V
33	2.53 V
34	0 V
35	3.56 V
36	1.52 V
37	3.3 V
38	1.9 V
39	1.50 V
40	1.42 V
41	1.58 V
42	1.9 V
43	3.94 V
44	3.98 V
45	3.3 V
46	3.3 V
47	2.2 V
48	0 V
49	1.47 V
50	0 V
51	0 V
52	2.25 V
53	2.37 V
54	3.3 V
55	3.3 V
56	3.2 V
57	2.2 V
58	4.93 V
59	4.1 V
60	4.1 V
61	2.91 V
63	3.27 V
64	2.87 V

Q17	
PIN NO	VOLTAGE
E	5 V
B	0.5 V
C	0 V

Q18	
PIN NO	VOLTAGE
E	5 V
B	1.46 V
C	0 V

Q19	
PIN NO	VOLTAGE
E	5 V
B	0.9 V
C	0 V

Q20	
PIN NO	VOLTAGE
E	5 V
B	0.9 V
C	0 V

U8	
PIN NO	VOLTAGE
1	1.43 V
2	2.43 V
3	2.33 V
4	1.42 V
5	1.40 V
6	1.41 V
7	2.28 V
8	4.76 V
9	4.78 V
10	0 V
11	2.29 V
12	2.34 V
13	2.27 V
14	2.95 V
15	2.47 V
16	2.48 V
17	1.87 V
18	2.07 V
19	0 V
20	2.36 V
21	4.78 V
22	0 V
23	1.22 V
24	2.57 V
25	2.36 V
26	1.4 V
27	1.4 V
28	3.23 V

U15	
PIN NO	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	0 V
10	NC
11	0 V
12	0 V
13	3.3 V
14	3.3 V
15	NC
16	0 V
17	0 V
18	0 V
19	0 V
20	0 V
21	0 V
22	0 V
23	0 V
24	0 V
25	0 V
26	0 V
27	0 V
28	0 V
29	0 V
31	0 V
32	NC
33	0 V
34	NC
35	0 V
36	NC
37	3.3 V
38	0 V
39	NC
40	0 V
41	NC
42	0 V
43	NC
44	0 V
45	0 V
46	0 V
47	0 V
48	0 V

Q21	
PIN NO	VOLTAGE
E	3.31 V
B	5.0 V
C	3.94 V

U13	
PIN NO	VOLTAGE
1	3.2 V
2	0 V
3	3.2 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	3.2 V
10	0 V
11	0 V
12	0 V
13	0 V
14	3.2 V
15	0.1 V
16	3.1 V
17	3.1 V
18	3 V
19	3 V
20	0.04 V
21	0 V
22	0 V
23	0 V
24	0 V
25	0 V
26	0 V
27	3.2 V
28	0 V
29	0 V
30	0 V
31	0 V
32	0 V
33	0 V
34	0 V
35	0 V
36	NC
37	0 V
38	CLK
39	0 V
40	NC
41	0 V
42	0 V
43	3.2 V
44	0 V
45	0 V
46	0 V
47	0 V
48	0 V
49	3.2 V
50	0 V
51	0 V
52	0 V
53	0 V
54	0 V

Q9	
PIN NO	VOLTAGE
E	3.3 V
C	4 V
B	0 V

Q10	
PIN NO	VOLTAGE
E	4.32 V
C	2.24 V
B	3.6 V

Q11	
PIN NO	VOLTAGE
E	5.0 V
B	0.01 V
C	5.0 V

U9					
PIN NO	VOLTAGE	PIN NO	VOLTAGE	PIN NO	VOLTAGE
1	3.16 V	81	0 V	161	0 V
2	1.7 V	82	0 V	162	3.24 V
3	1.7 V	83	NC	163	0 V
4	1.7 V	84	0 V	164	0 V
5	0 V	85	0 V	165	0 V
6	0 V	86	0 V	166	0 V
7	0 V	87	1.87 V	167	0 V
8	0 V	88	0 V	168	0 V
9	0 V	89	0 V	169	0 V
10	3.16 V	90	0 V	170	3.3 V
11	0 V	91	0 V	171	0 V
12	0 V	92	0 V	172	0 V
13	0 V	93	0 V	173	NC
14	0 V	94	0 V	174	0 V
15	0 V	95	0 V	175	0 V
16	0 V	96	0 V	176	0 V
17	0 V	97	0 V	177	NC
18	0 V	98	0 V	178	NC
19	3.16V	99	0 V	179	0 V
20	0 V	100	0 V	180	0 V
21	0 V	101	3.24 V	181	0 V
22	0 V	102	0 V	182	0 V
23	NC	103	0 V	183	0 V
24	0 V	104	0 V	184	0 V
25	0 V	105	0 V	185	3.16 V
26	0 V	106	0 V	186	0 V
27	3.2 V	107	0 V	187	0 V
28	0 V	108	0 V	188	2.2 V
29	0 V	109	0 V	189	0 V
30	0 V	110	0 V	190	0 V
31	0 V	111	NC	191	4.4 V
32	0 V	112	0 V	192	3.6 V
33	0 V	113	0 V	193	0 V
34	0 V	114	0 V	194	0 V
35	3.16 V	115	0 V	195	0 V
36	0 V	116	3.76 V	196	0 V
37	0 V	117	0 V	197	0 V
38	0 V	118	NC	198	1.87 V
39	0 V	119	NC	199	0 V
40	0 V	120	NC	200	0 V
41	0 V	121	0 V	201	0 V
42	0 V	122	0 V	202	0 V
43	0 V	123	NC	203	0 V
44	3.16 V	124	NC	204	0 V
45	0 V	125	NC	205	0 V
46	0 V	126	NC	206	0 V
47	0 V	127	0 V	207	5 V
48	0 V	128	1.87 V	208	0 V
49	0 V	129	0 V		
50	0 V	130	0 V		
51	0 V	131	0 V		
52	0 V	132	0 V		
53	3.16 V	133	0 V		
54	0 V	134	0 V		
55	0 V	135	0 V		
56	0 V	136	0 V		
57	0 V	137	3.3 V		
58	0 V	138	0 V		
59	0 V	139	0 V		
60	0 V	140	0 V		
61	0 V	141	0 V		
63	0 V	143	1.5 V		
64	0 V	144	0 V		
65	0 V	145	0 V		
66	0 V	146	1.5 V		
67	0 V	147	0 V		
68	0 V	148	0 V		
69	0 V	149	1.5 V		
70	0 V	150	1.5 V		
71	1.87 V	151	1.5 V		
72	0 V	152	0 V		
73	0 V	153	NC		
74	0 V	154	1.75 V		
75	0 V	155	1.5 V		
76	0 V	156	1.66 V		
77	0 V	157	0 V		
78	0 V	158	0 V		
79	3.16 V	159	0 V		
80	0 V	160	0 V		

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] Schematic diagram

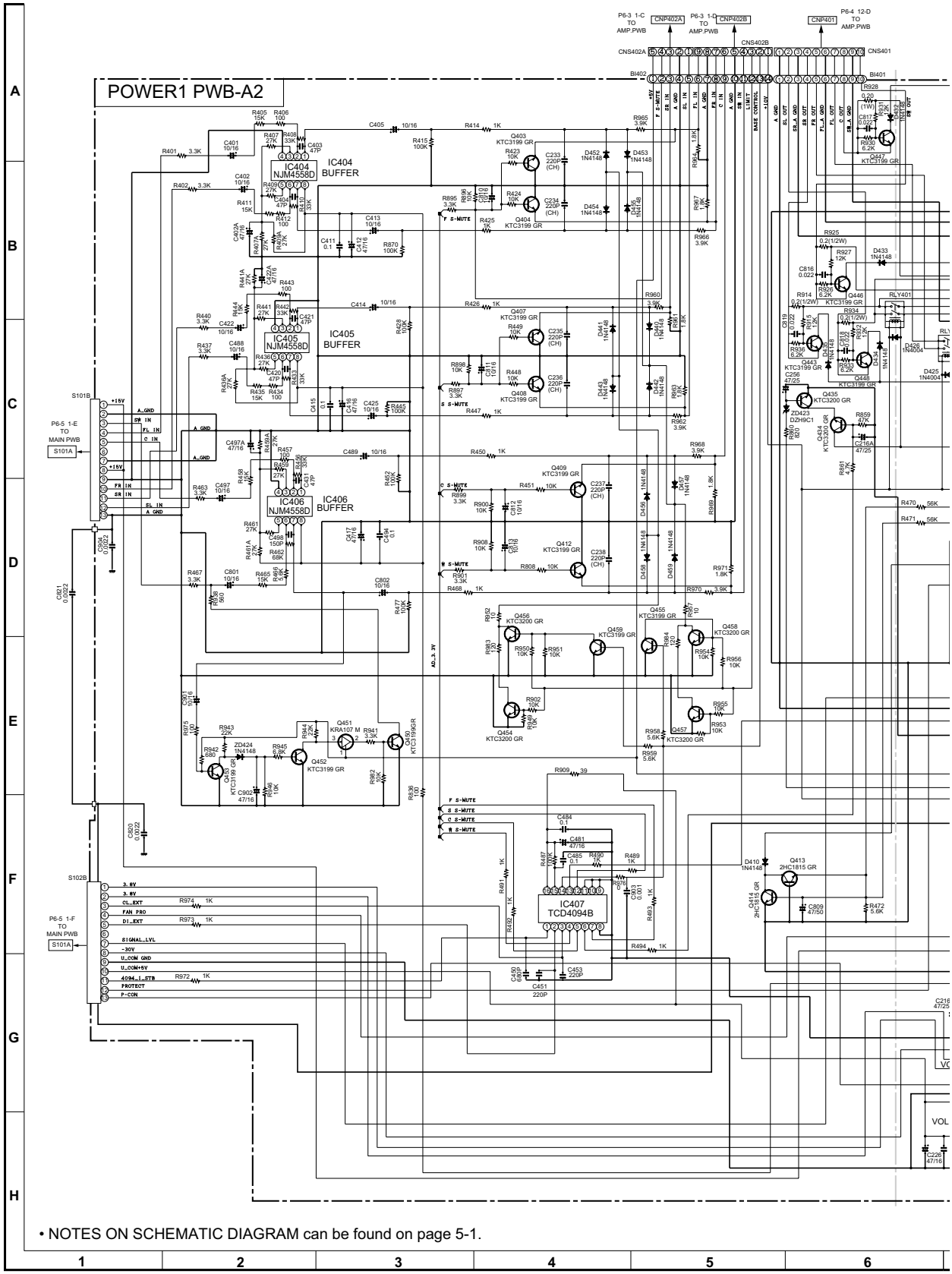
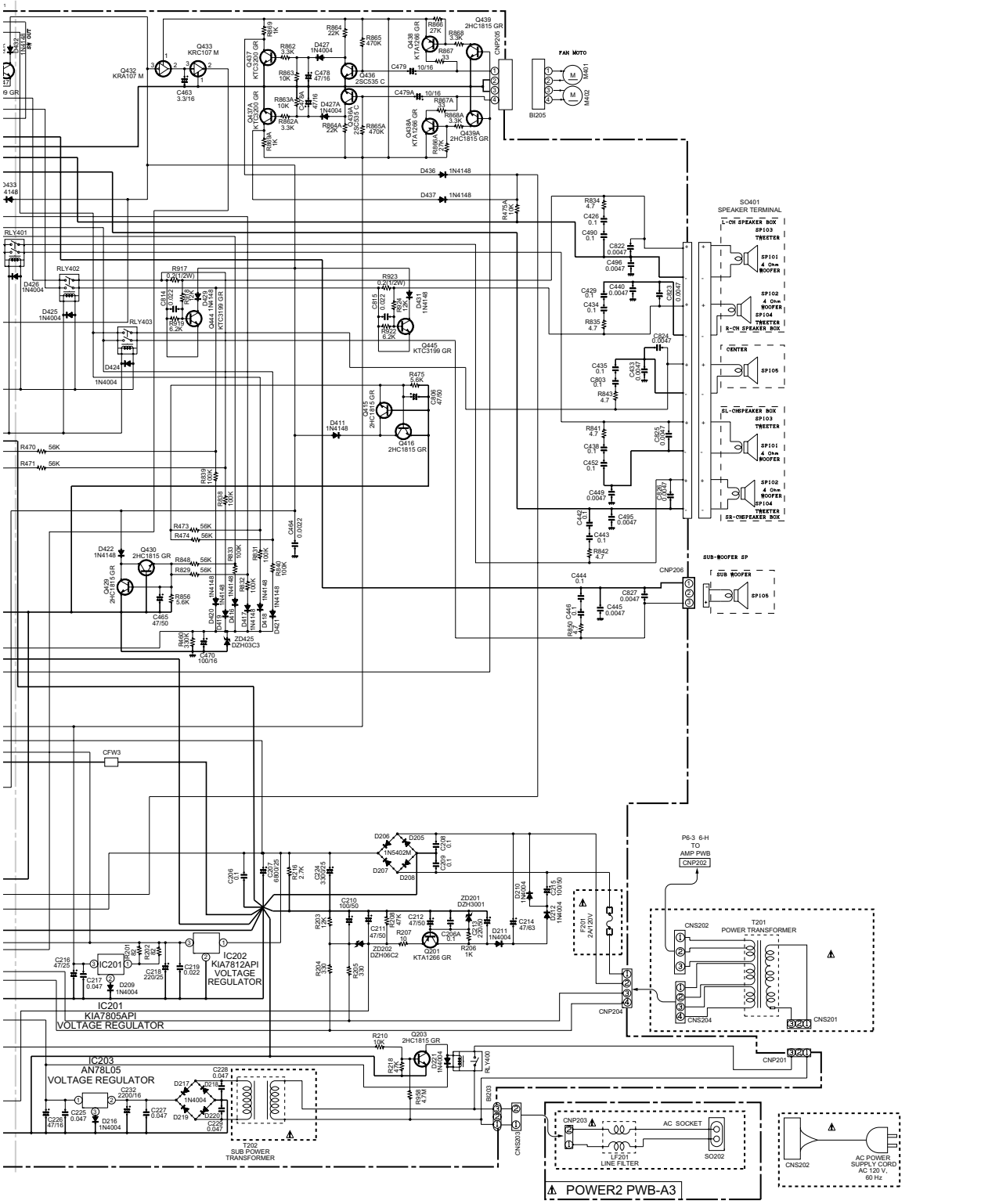


Figure 6-1 SCHEMATIC DIAGRAM (1/10)



7	8	9	10	11	12

Figure 6-2 SCHEMATIC DIAGRAM (2/10)

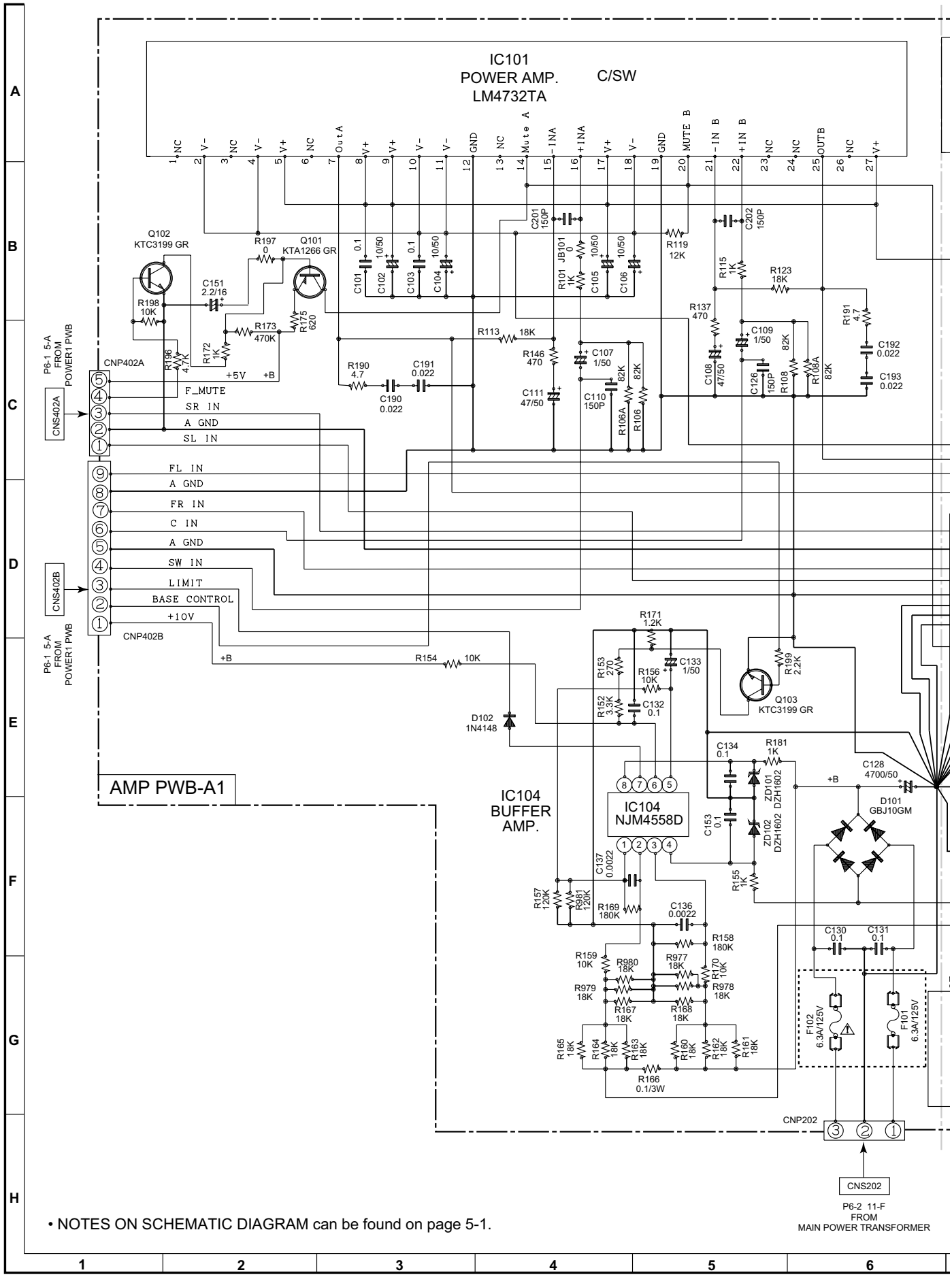
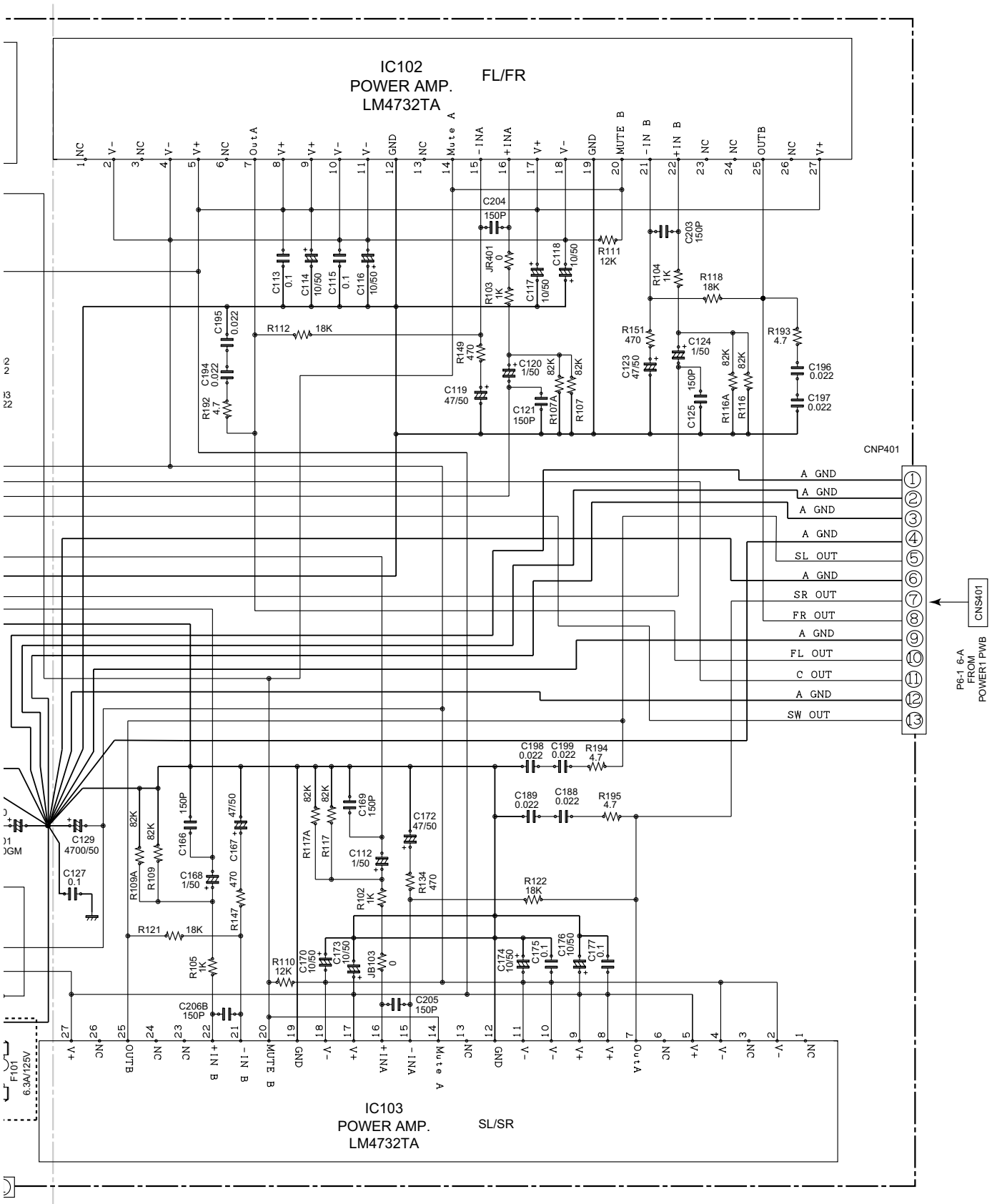
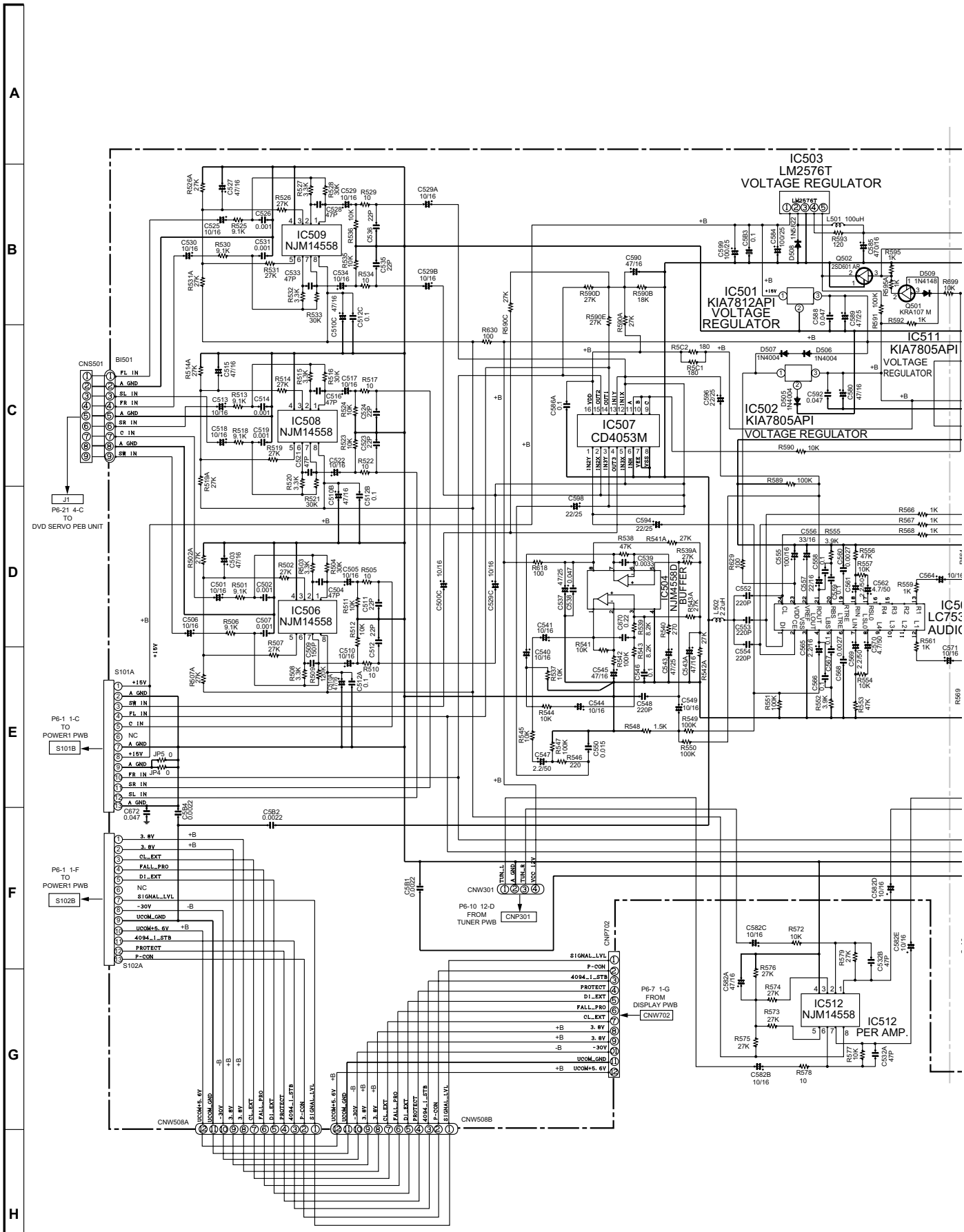


Figure 6-3 SCHEMATIC DIAGRAM (3/10)



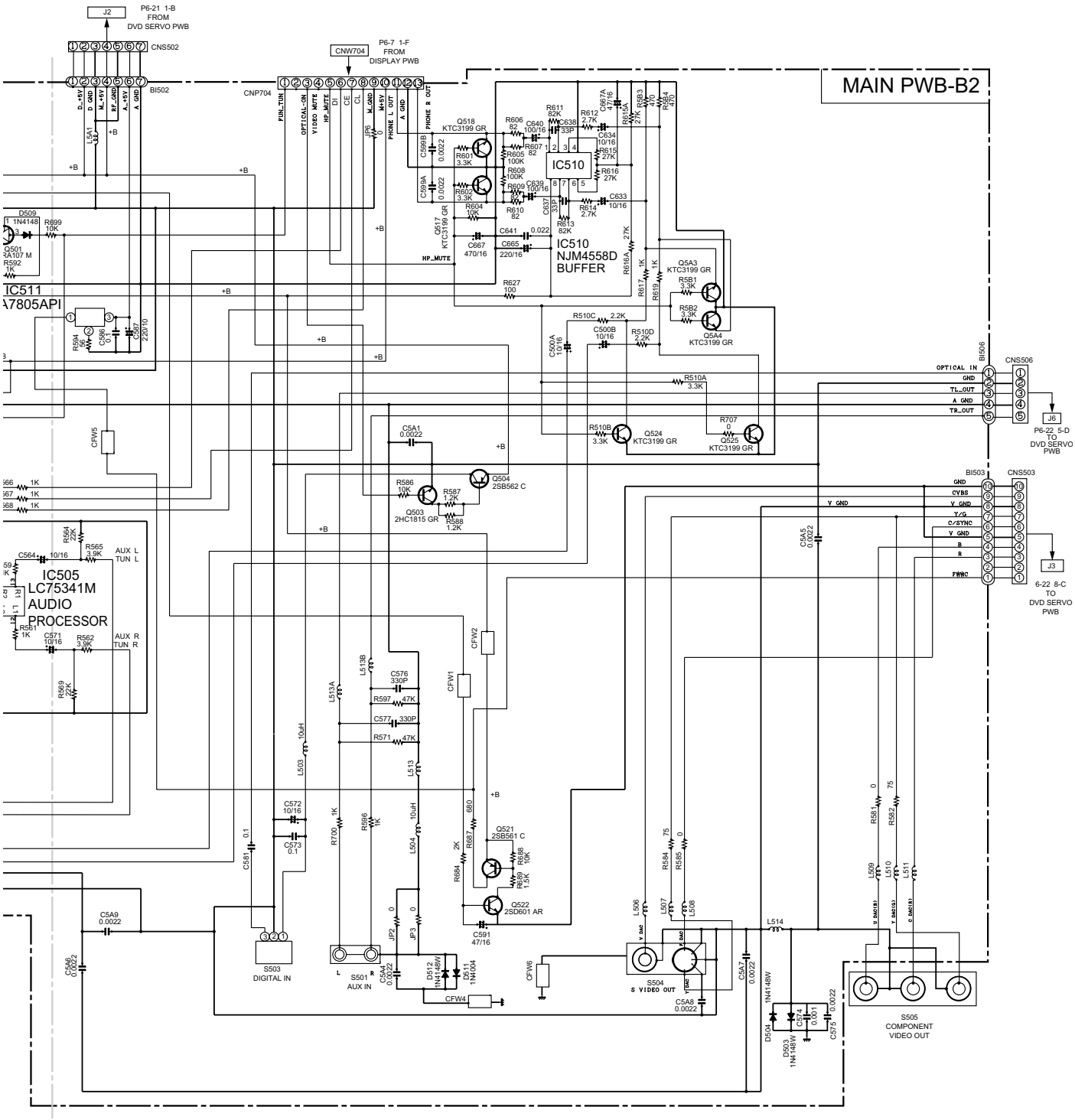
	7	8	9	10	11	12

Figure 6-4 SCHEMATIC DIAGRAM (4/10)



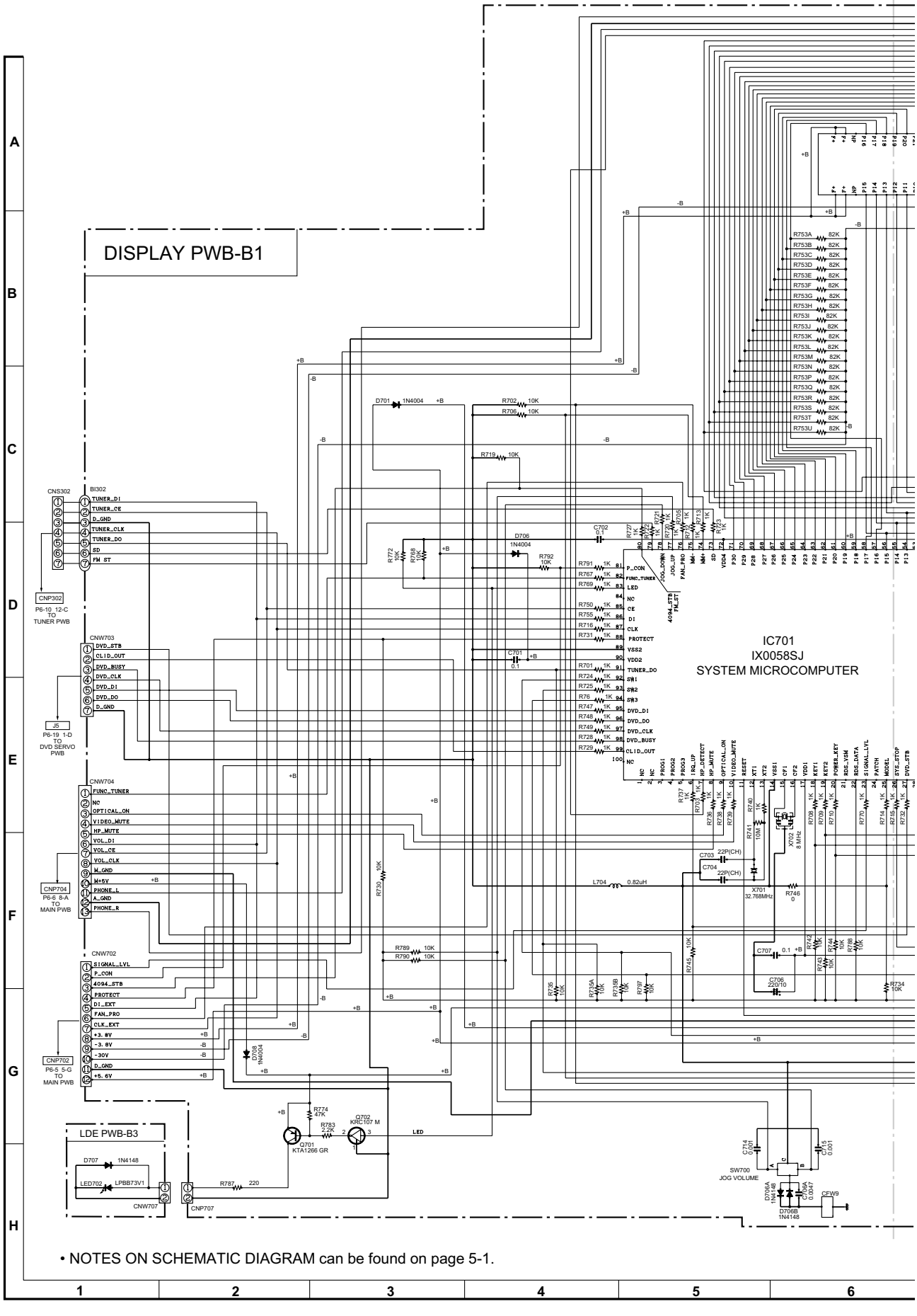
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-5 SCHEMATIC DIAGRAM (5/10)



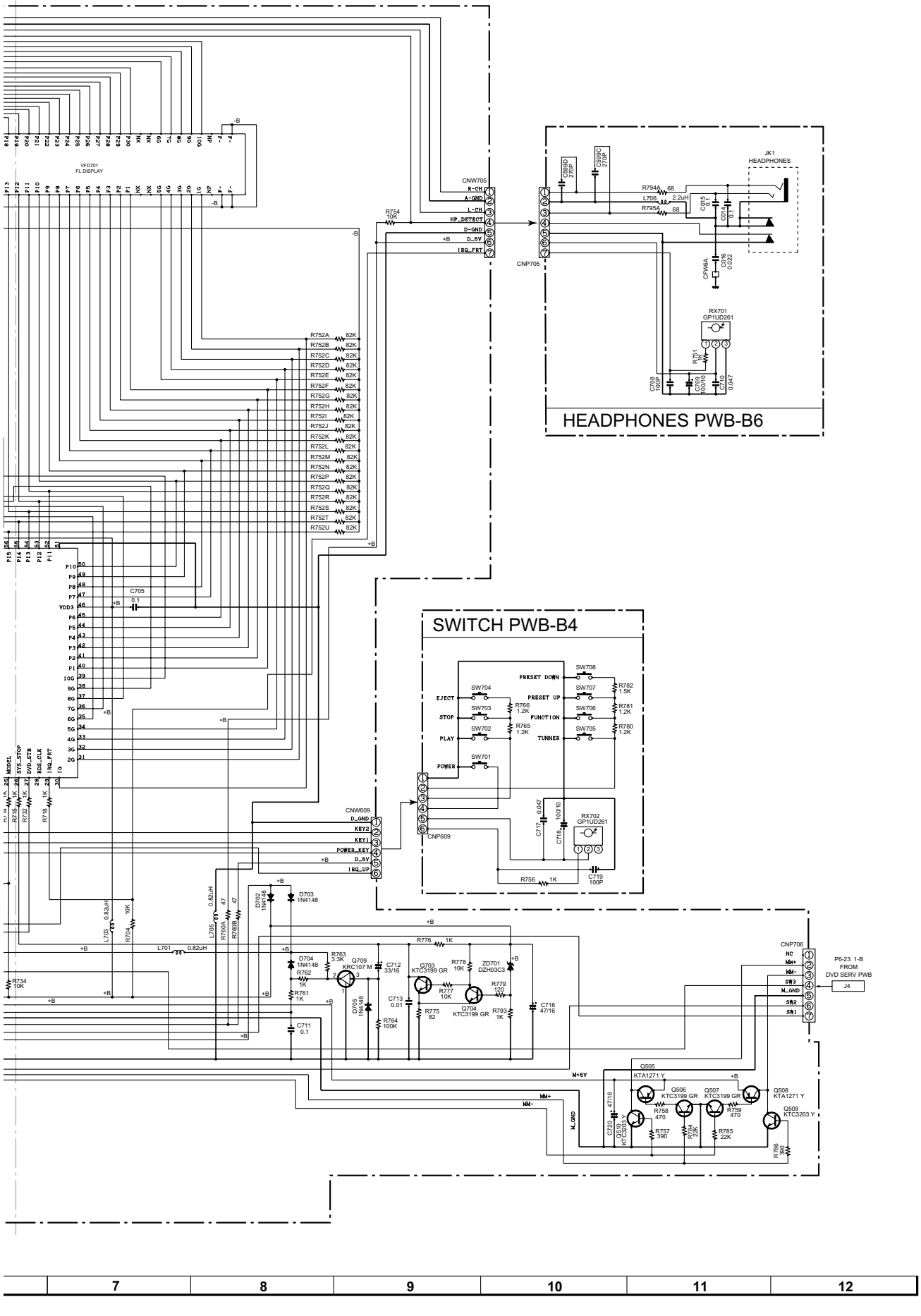
	7	8	9	10	11	12

Figure 6-6 SCHEMATIC DIAGRAM (6/10)



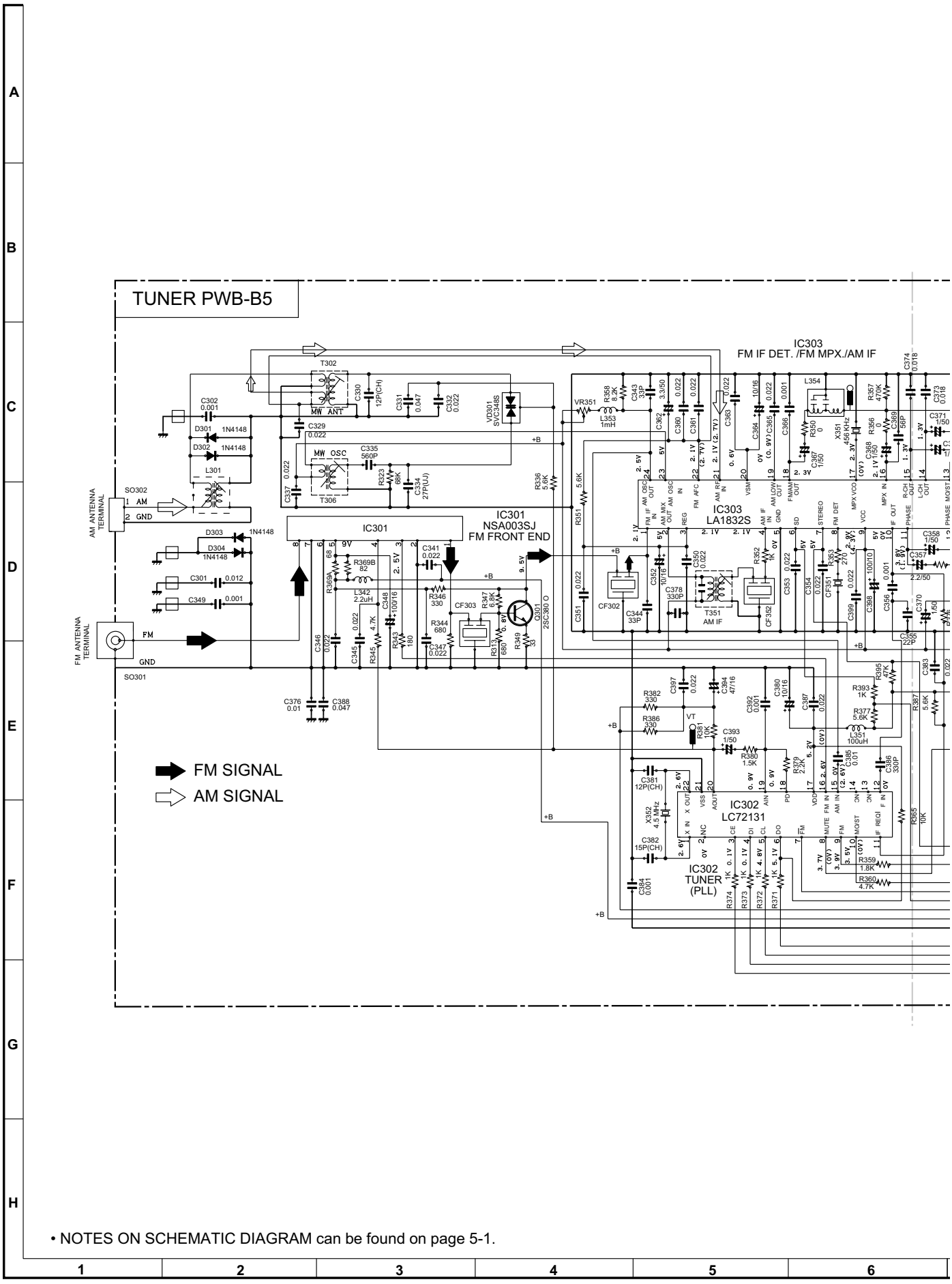
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-7 SCHEMATIC DIAGRAM (7/10)



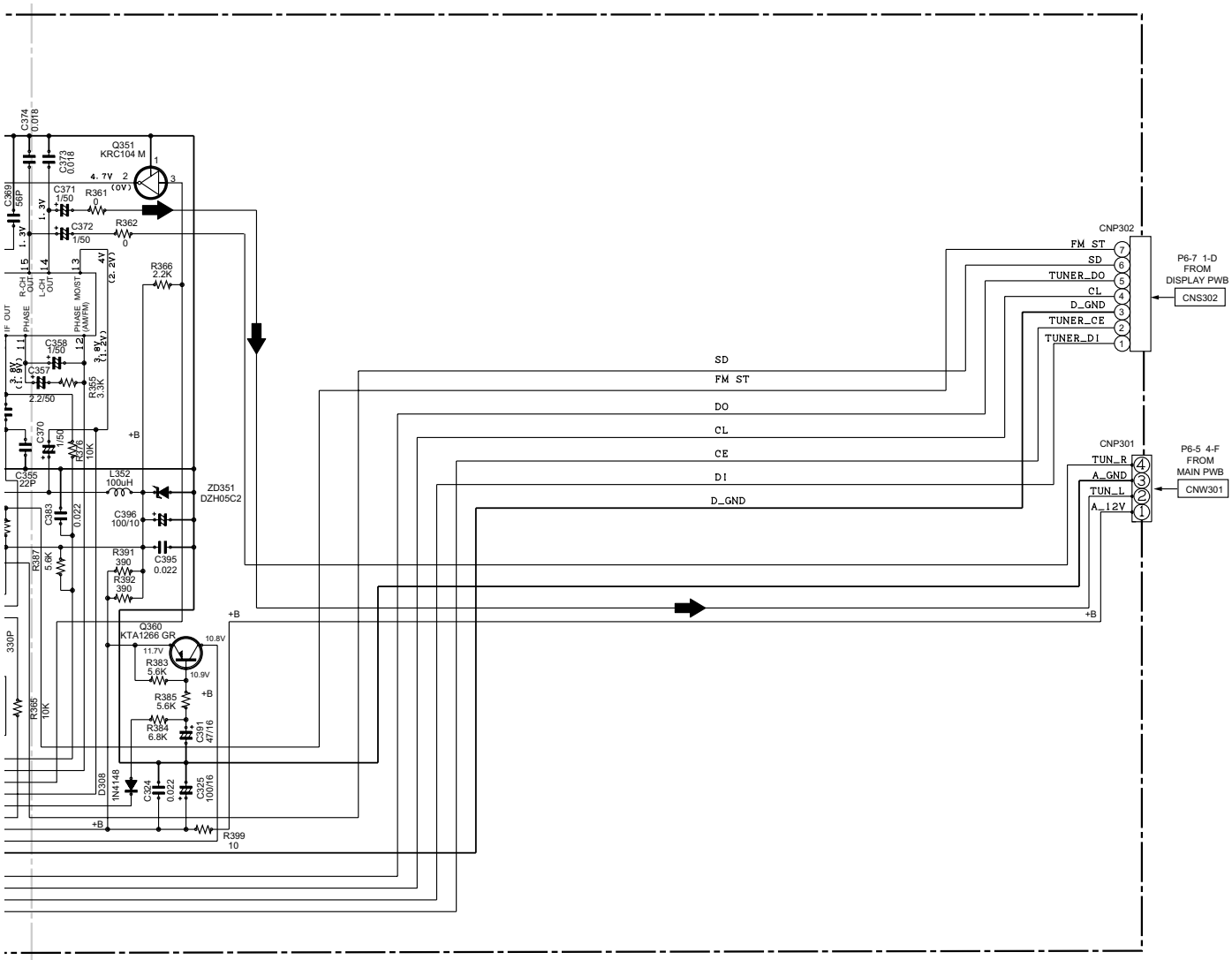
	7	8	9	10	11	12

Figure 6-8 SCHEMATIC DIAGRAM (8/10)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-9 SCHEMATIC DIAGRAM (9/10)



	7	8	9	10	11	12

Figure 6-10 SCHEMATIC DIAGRAM (10/10)

[2] Wiring side of PWB

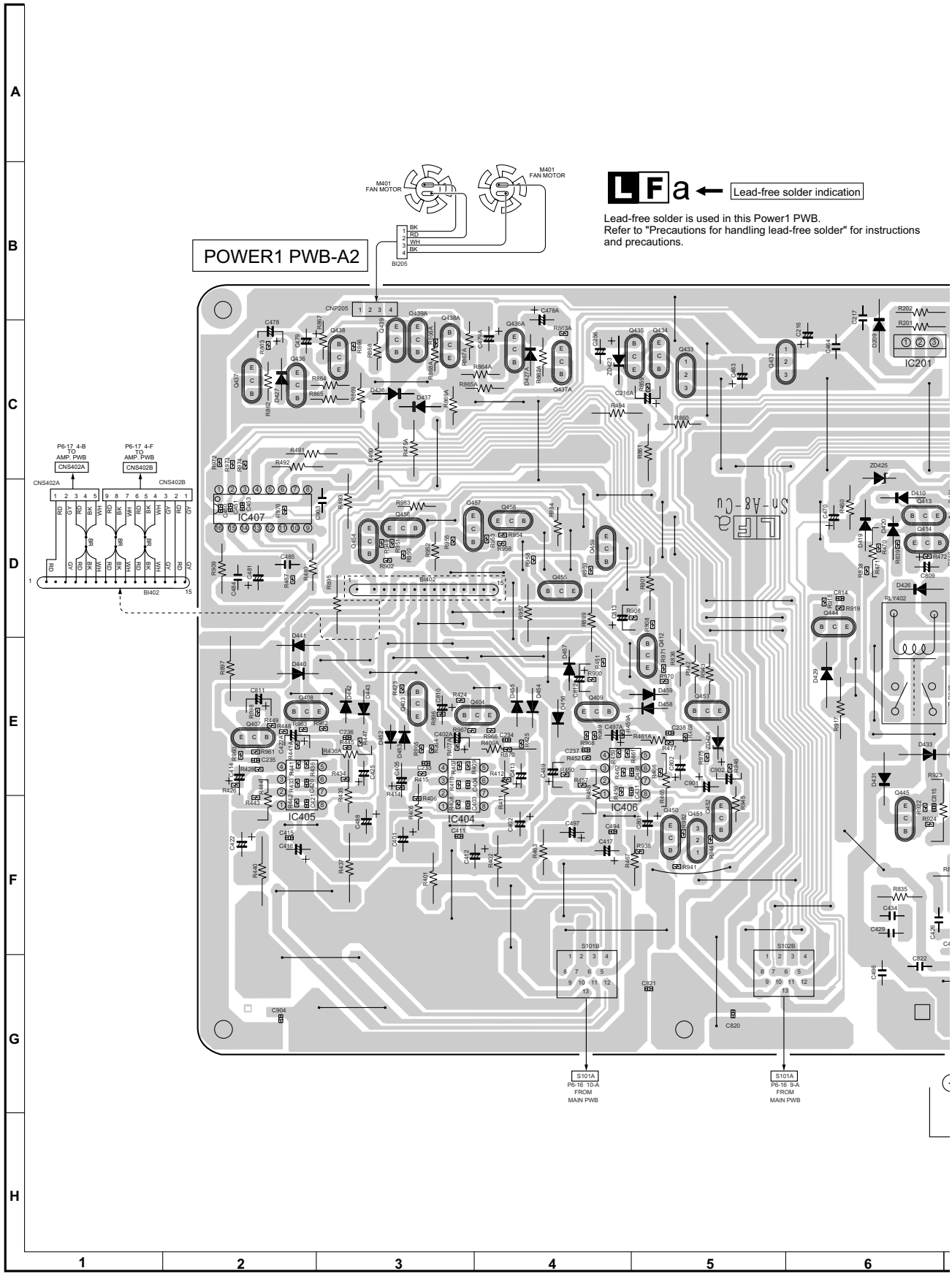
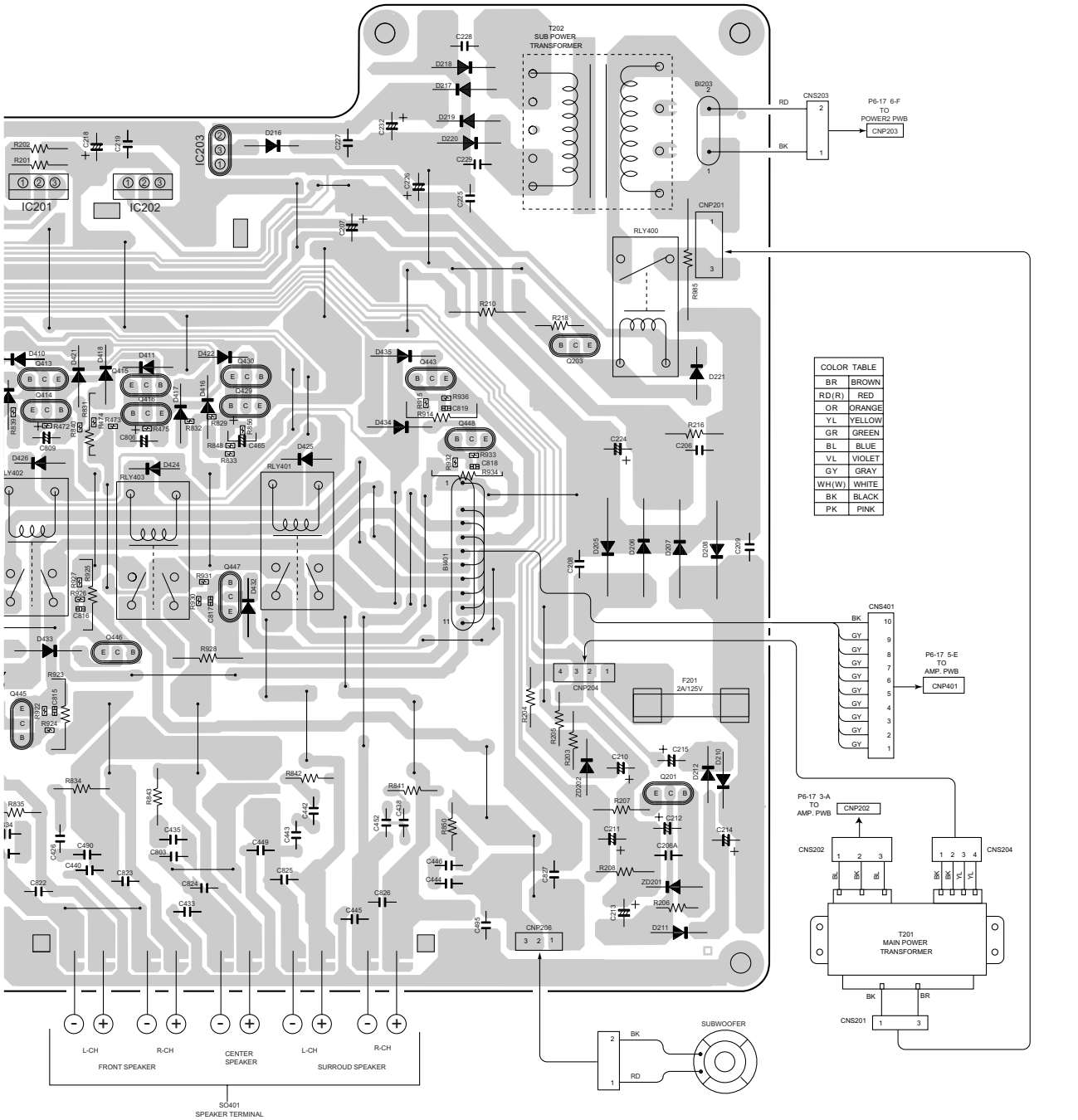


Figure 6-11 WIRING SIDE OF PWB (1/7)



	7	8	9	10	11	12

Figure 6-12 WIRING SIDE OF PWB (2/7)

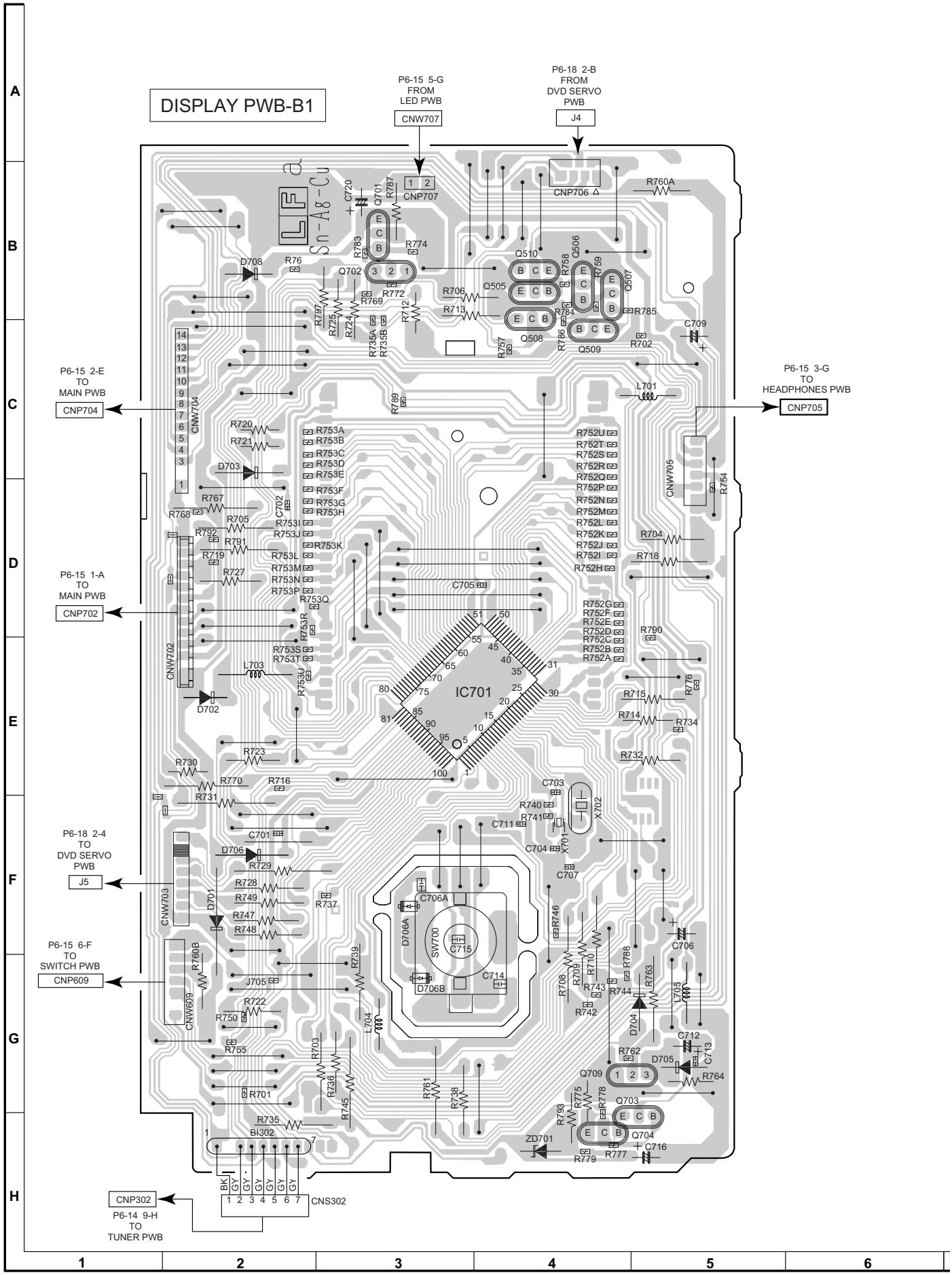
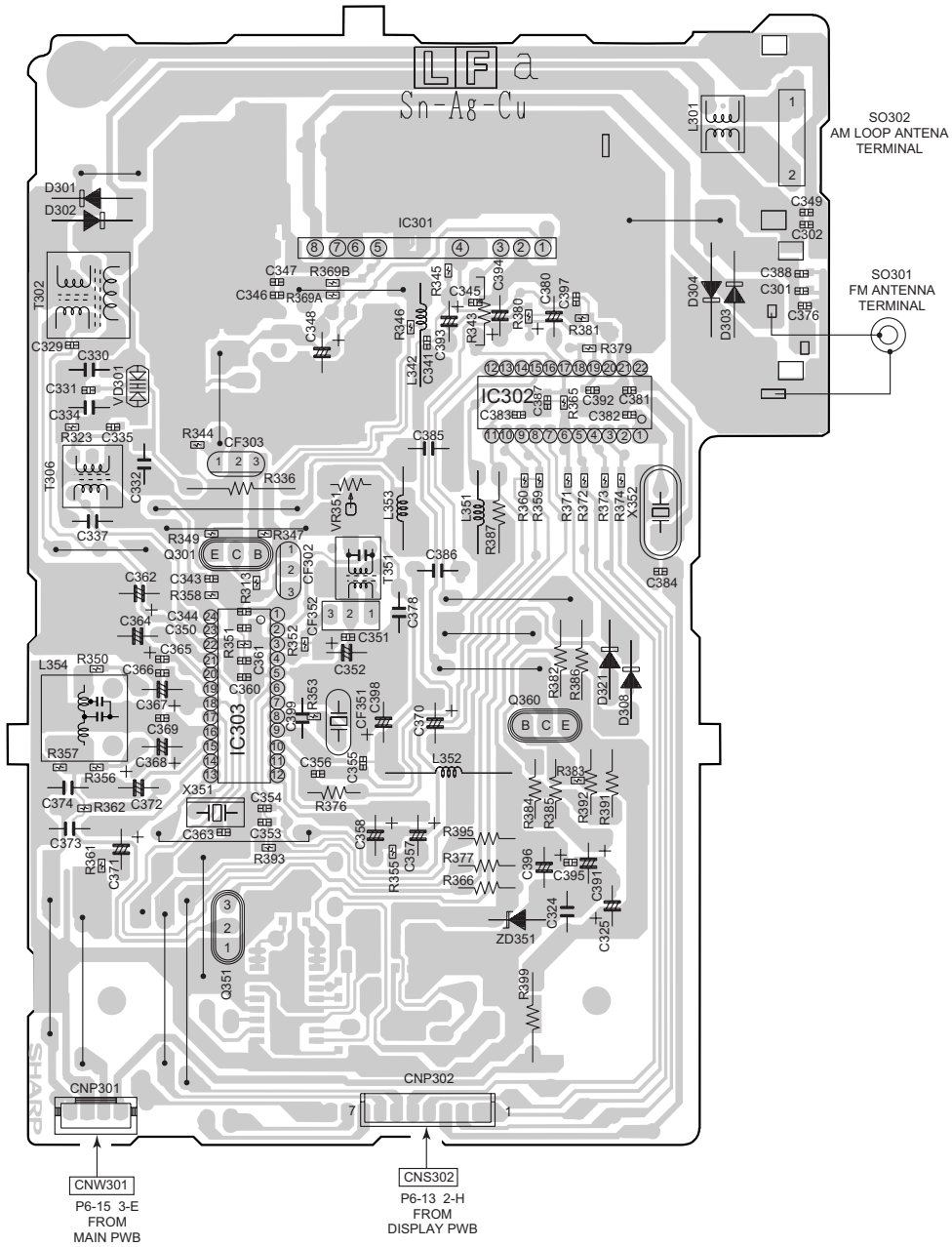


Figure 6-13 WIRING SIDE OF PWB (3/7)

LFa ← Lead-free solder indication

Lead-free solder is used in this Display/Tuner PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

TUNER PWB-B5



7	8	9	10	11	12

Figure 6-14 WIRING SIDE OF PWB (4/7)

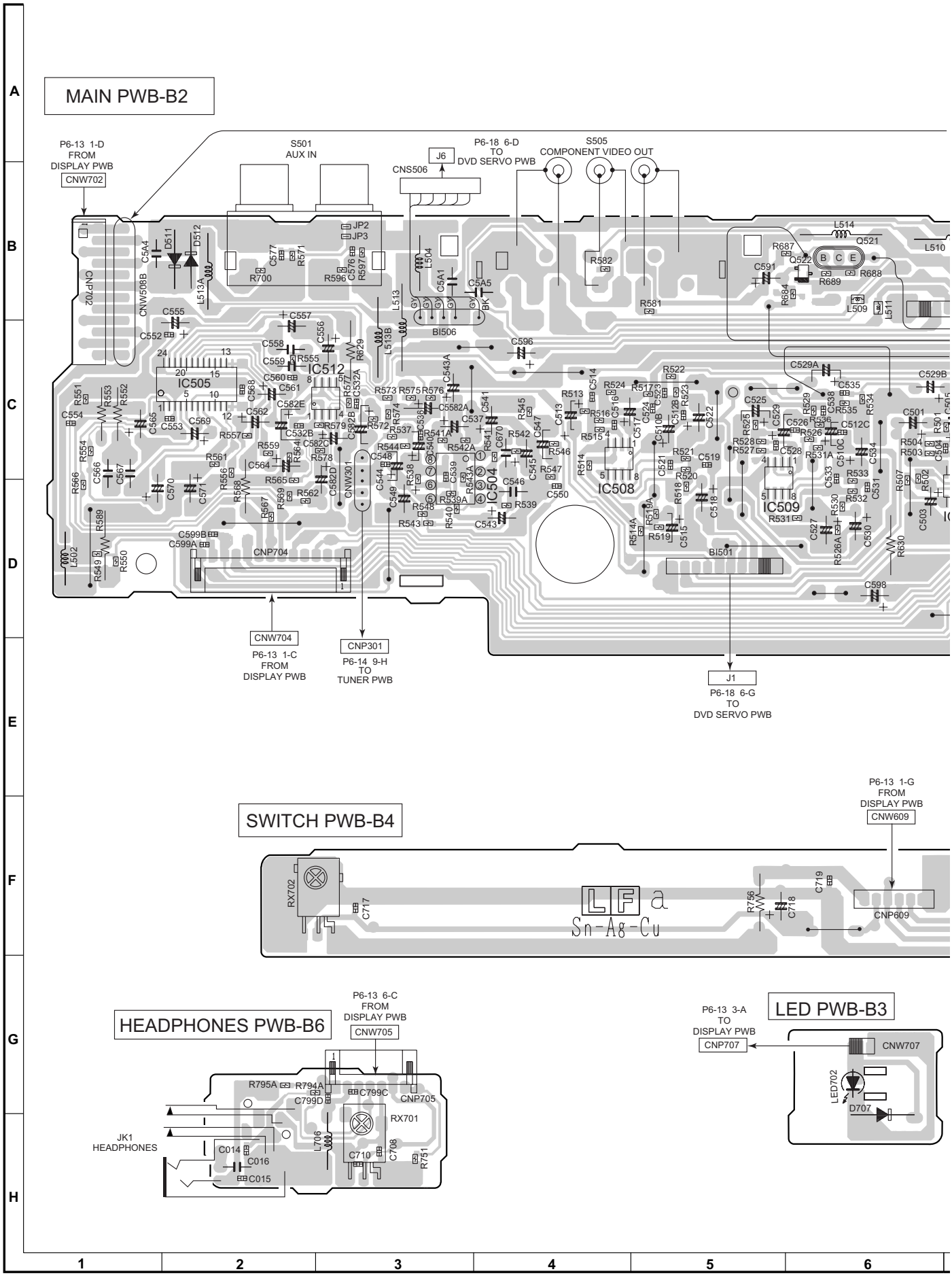
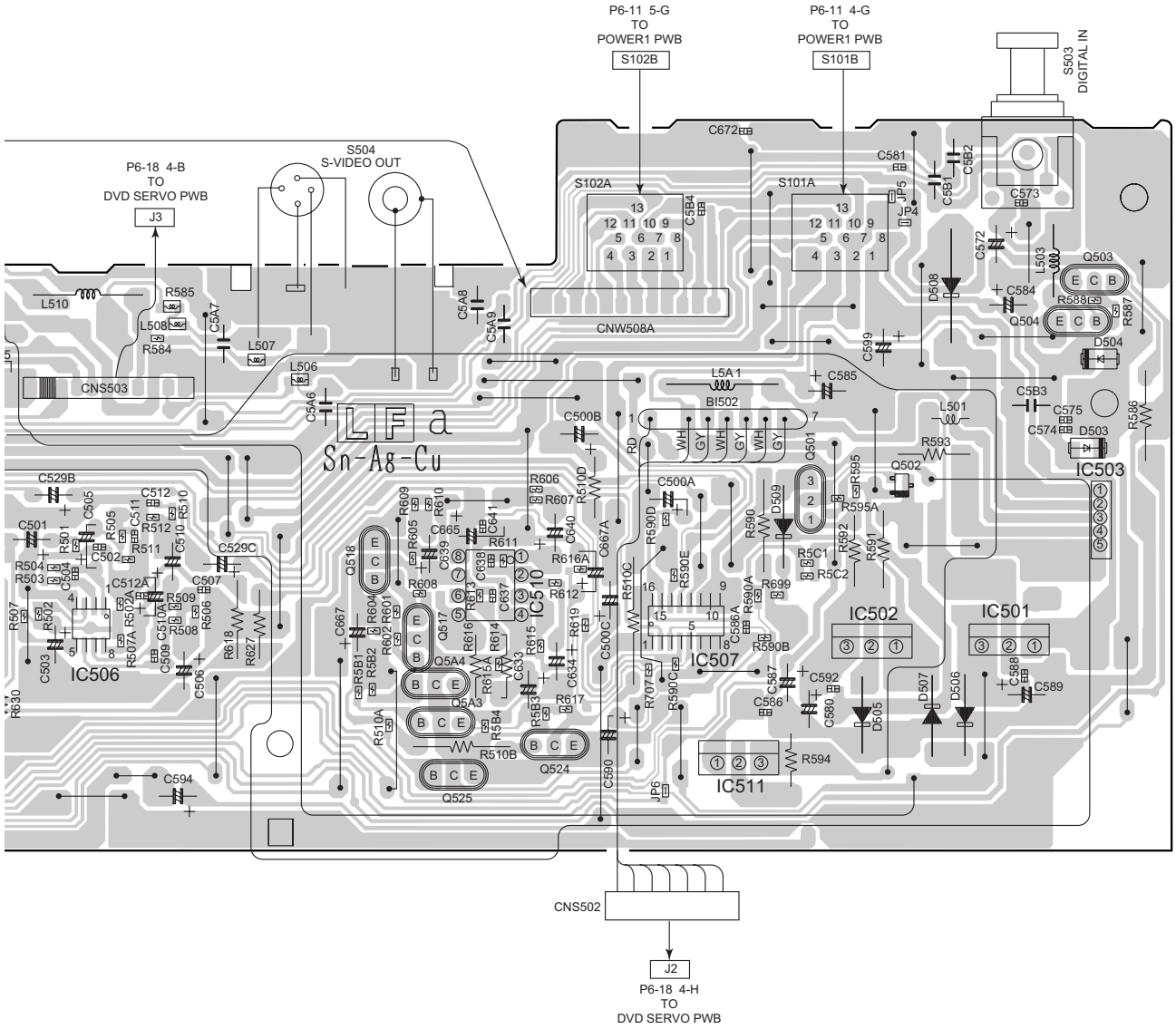
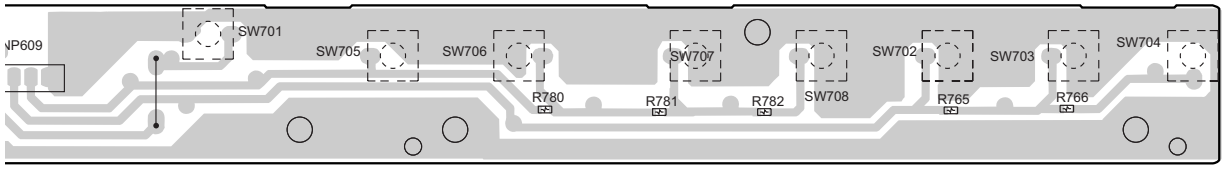


Figure 6-15 WIRING SIDE OF PWB (5/7)





LFa ← Lead-free solder indication

Lead-free solder is used in this Main/Switch PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

	7	8	9	10	11	12

Figure 6-16 WIRING SIDE OF PWB (6/7)

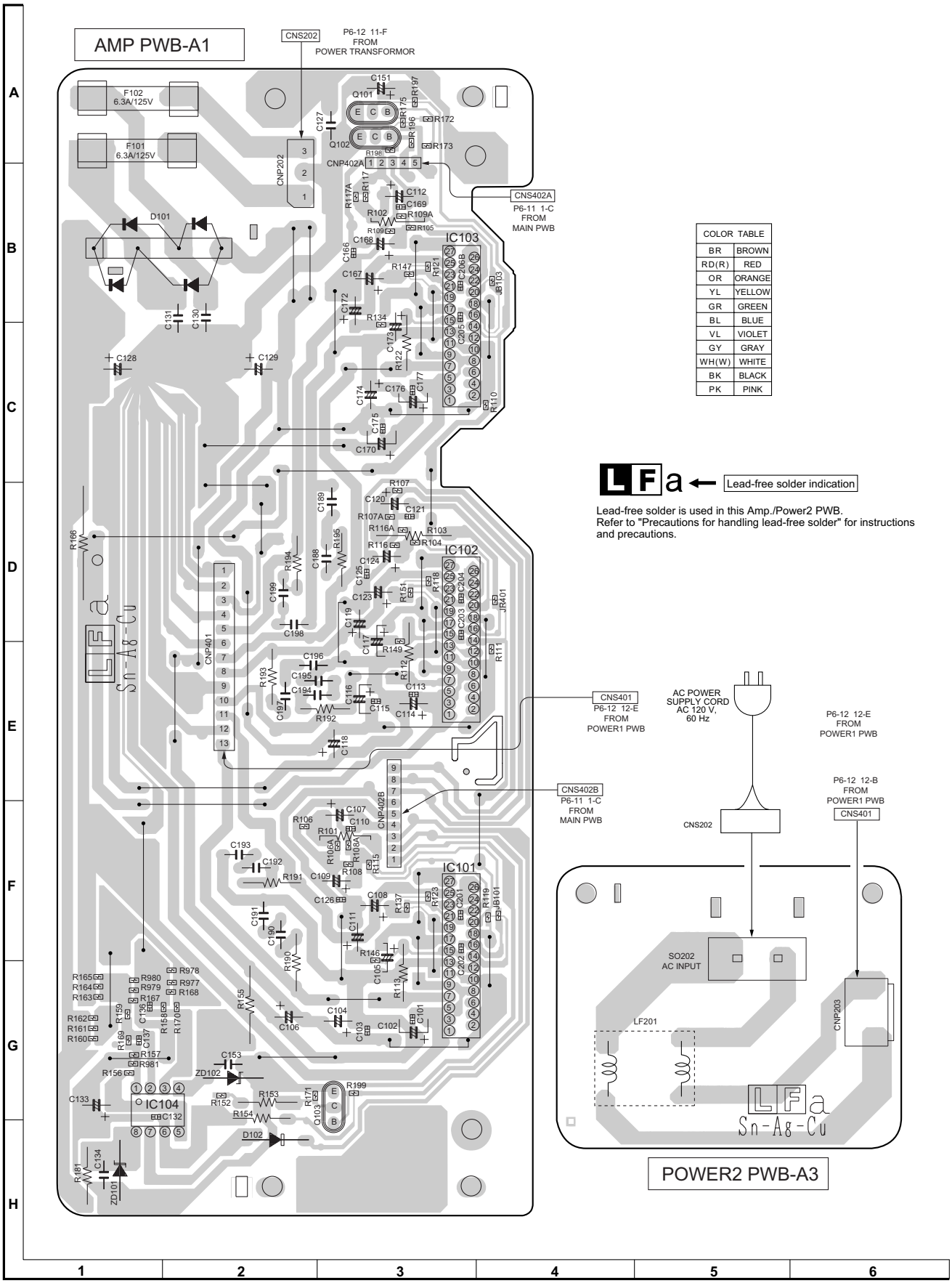


Figure 6-17 WIRING SIDE OF PWB (7/7)

[3] DVD PWB Unit

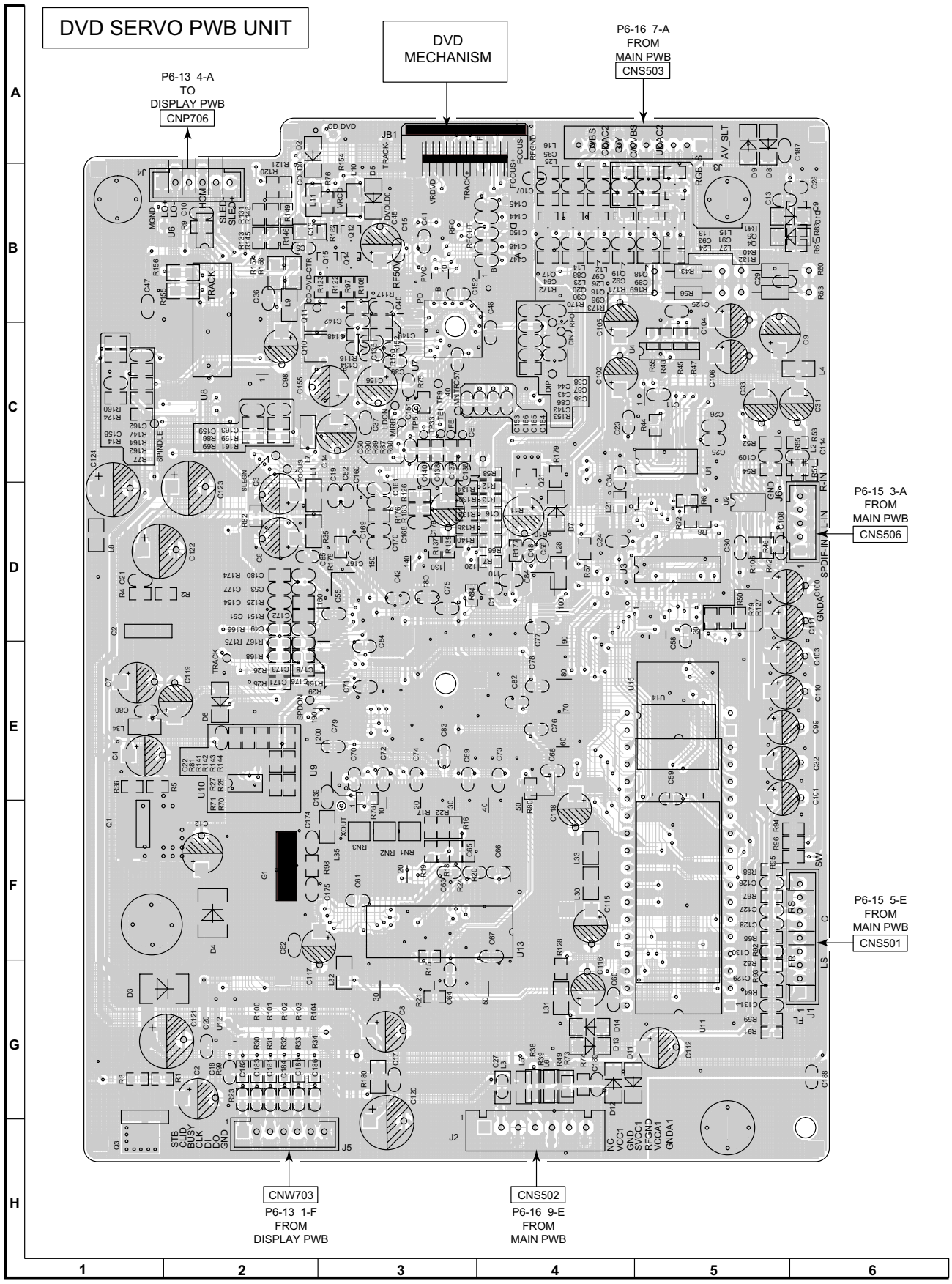


Figure 6-18 DVD PWB UNIT (1/7)

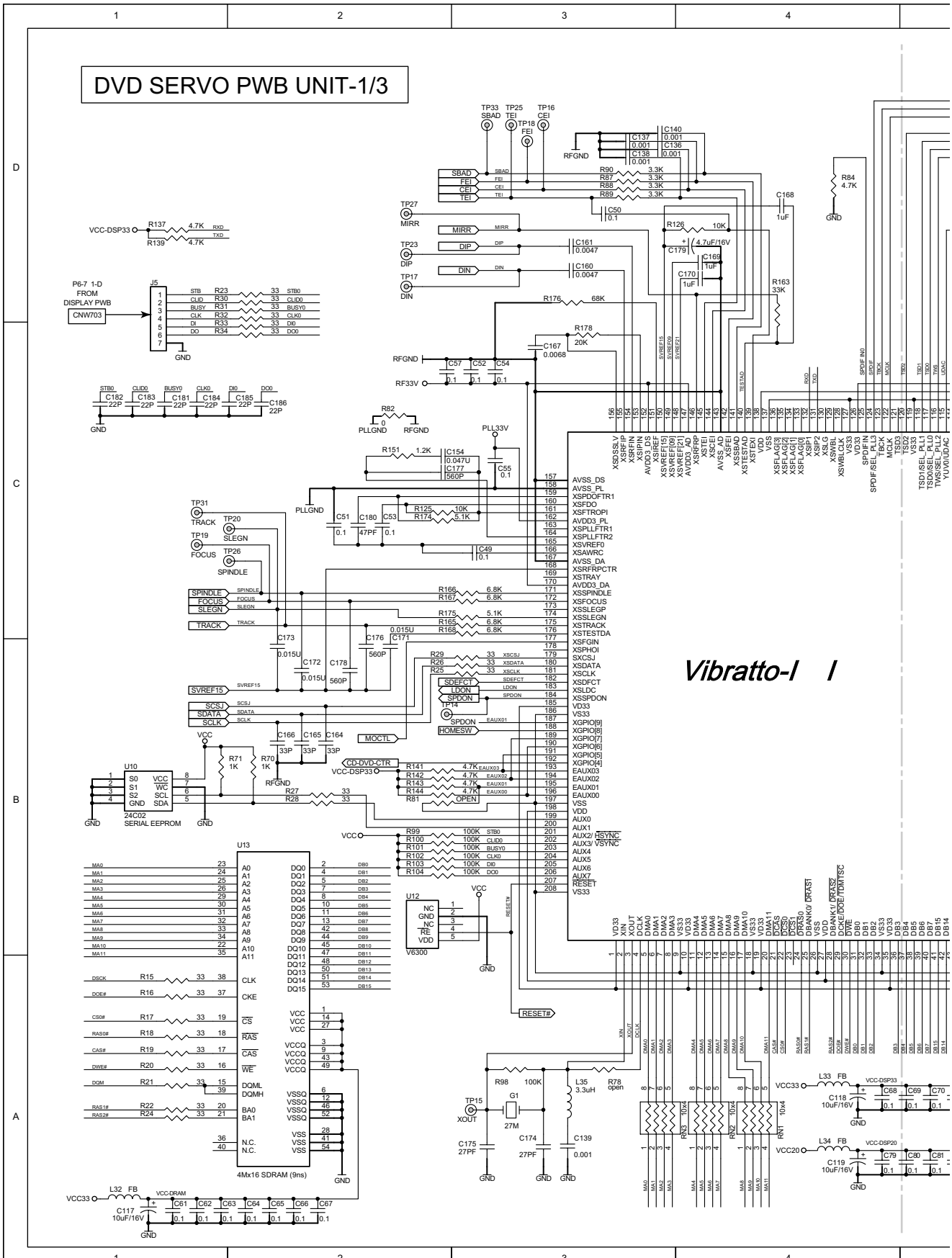


Figure 6-19 DVD PWB UNIT (2/7)

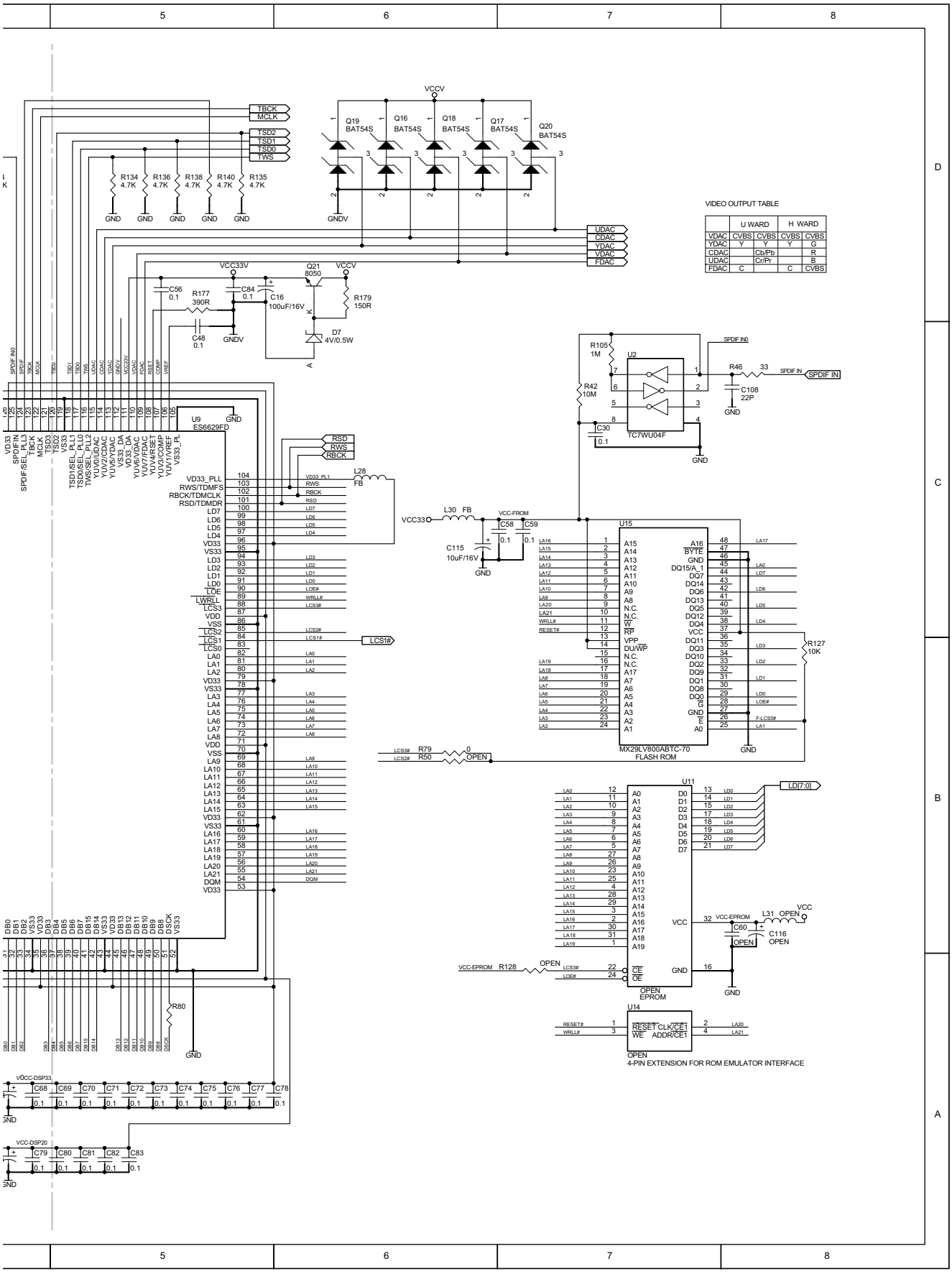


Figure 6-20 DVD PWB UNIT (3/7)

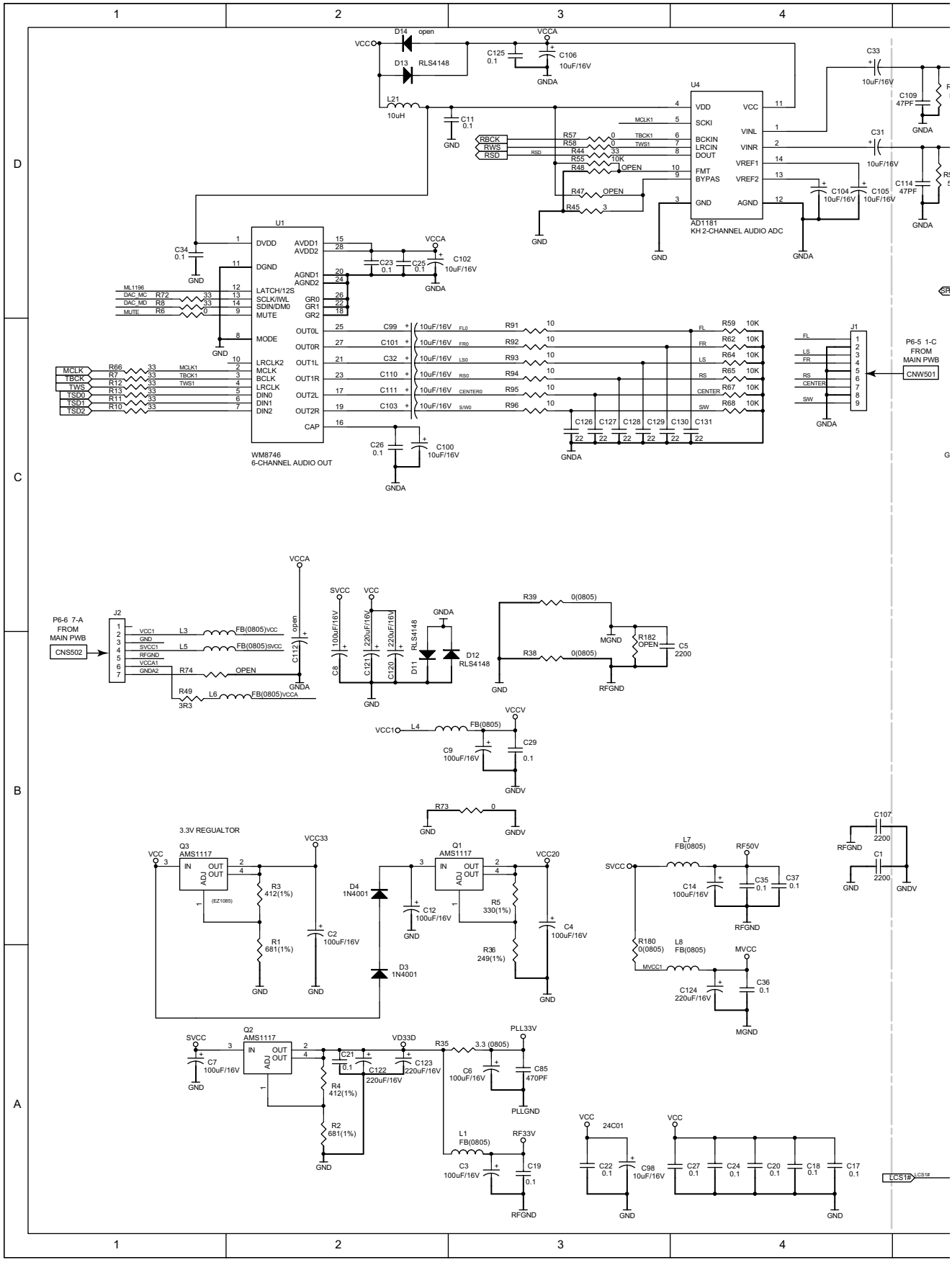


Figure 6-21 DVD PWB UNIT (4/7)

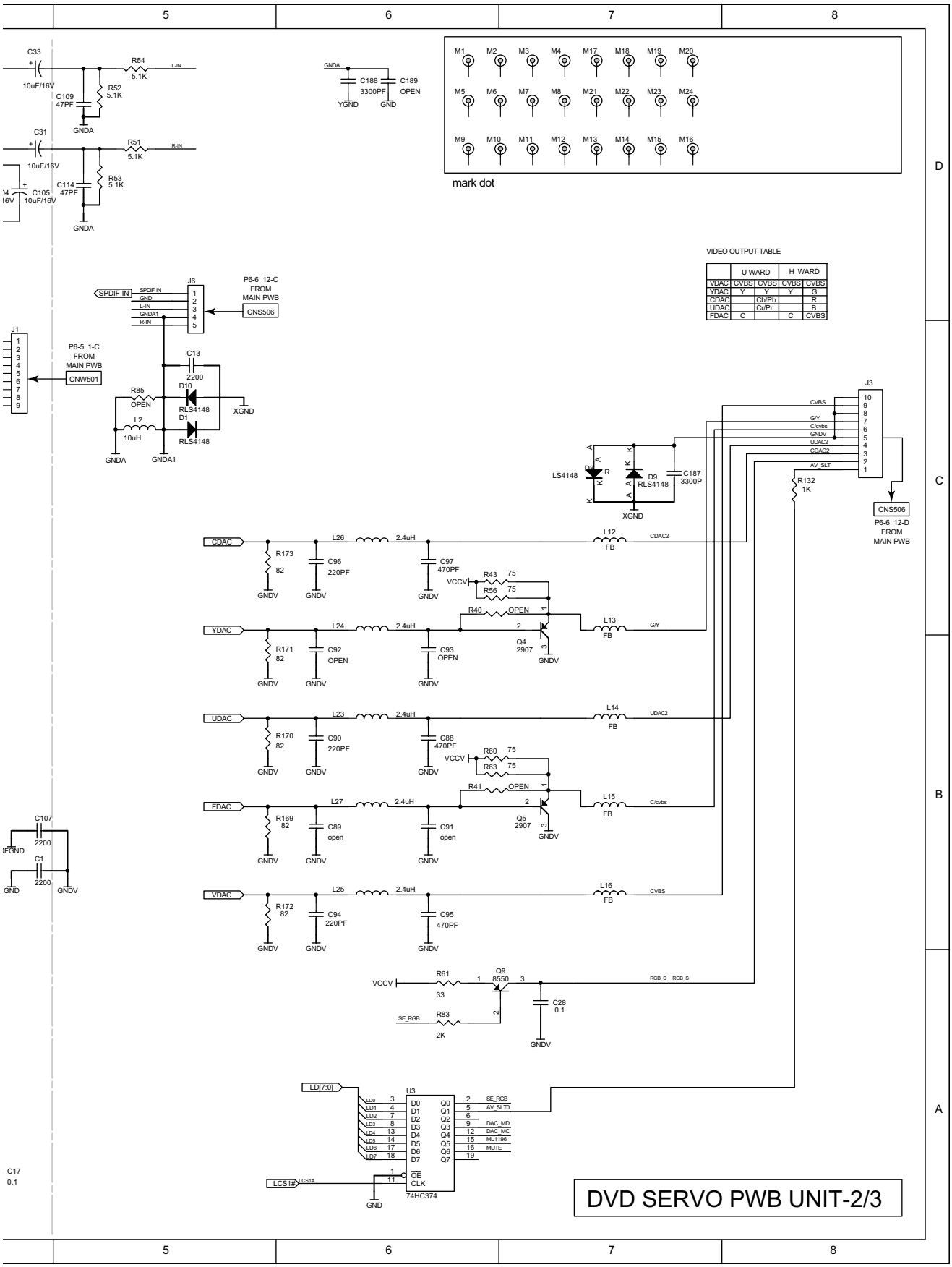


Figure 6-22 DVD PWB UNIT (5/7)

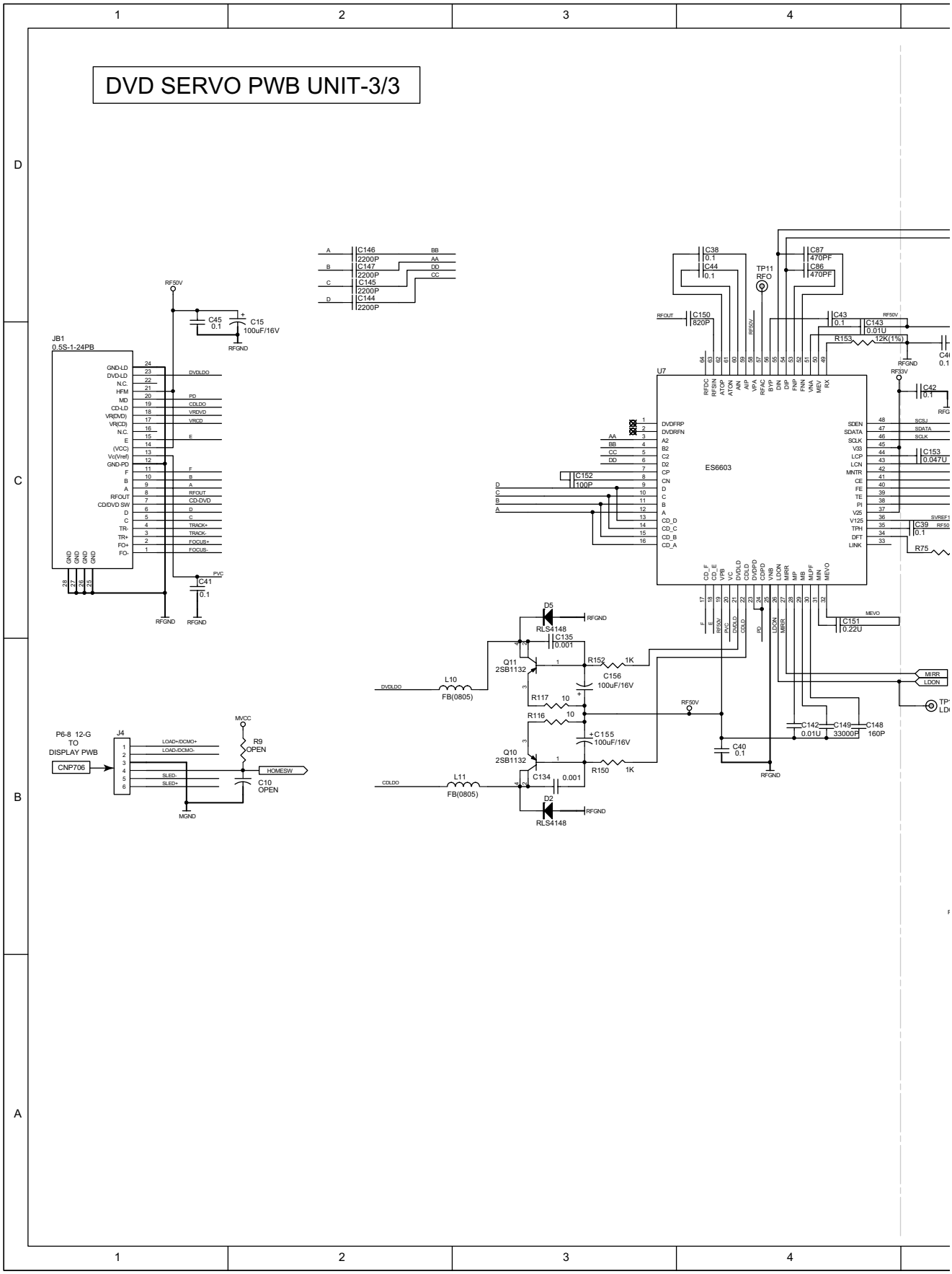


Figure 6-23 DVD PWB UNIT (6/7)

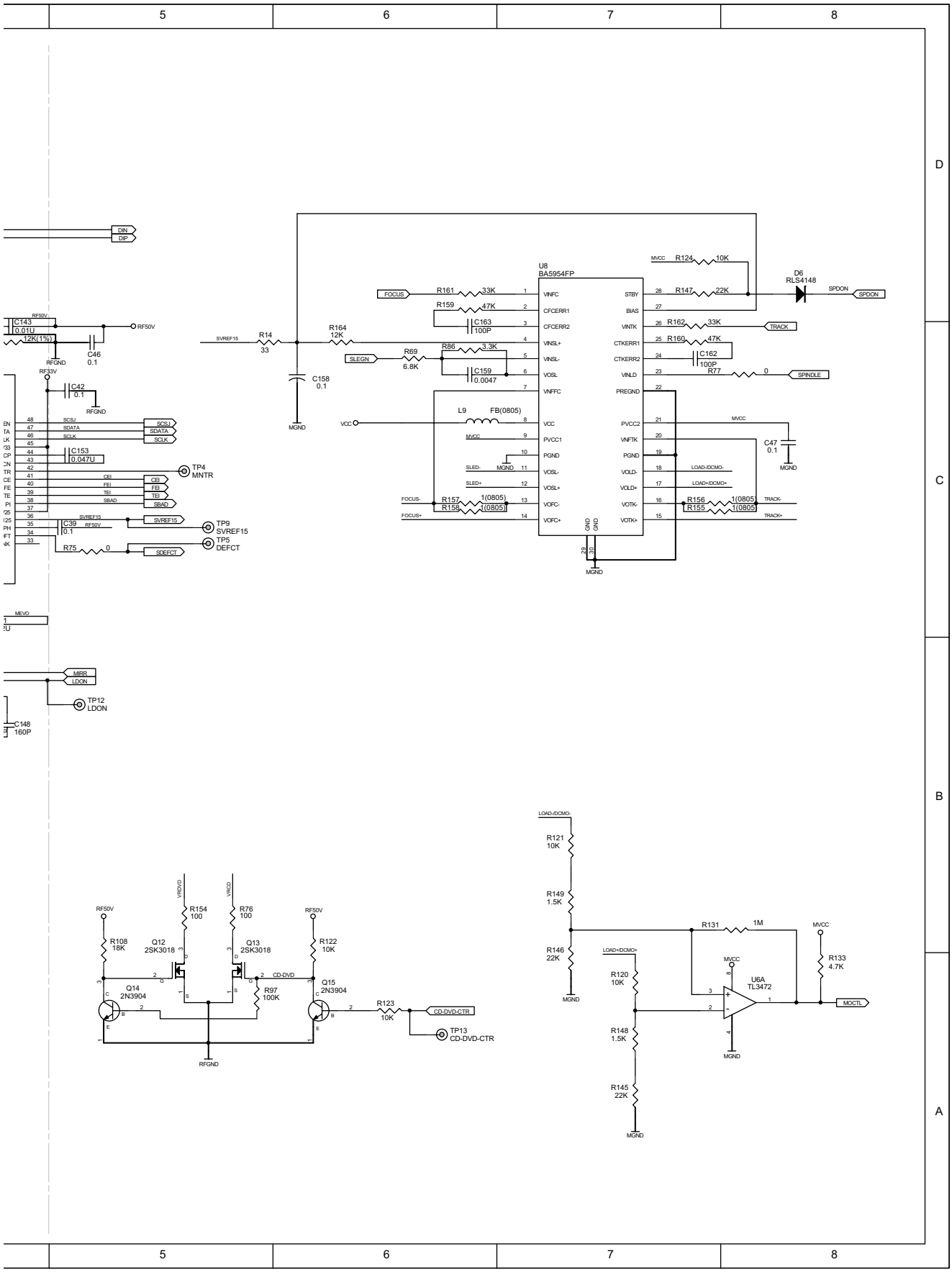


Figure 6-24 DVD PWB UNIT (7/7)

CHAPTER 7. FLOWCHART

[1] Troubleshooting

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

“Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below.”

Turn the power off.

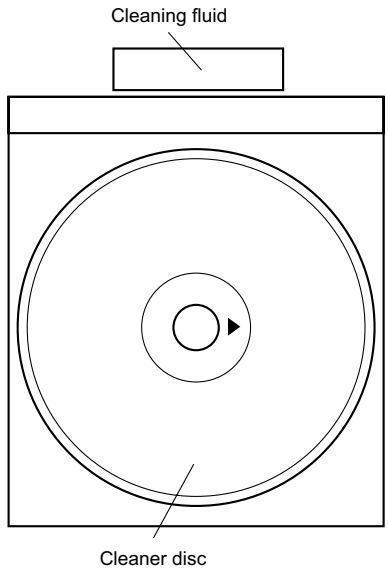
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continuous to turn, press the stop button.



CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

2. DVD section

• The “No Disc” indication. (In case of focus error)

When removing disc and applying load to spin motor (by stopping with hand, etc.), objective lends moves up and down ? (Checking item to symptom)
Note: If load is not applied to spin, lens does not move and becomes NO DISC immediately.

No → Refer to “The “No Disc” indicator. (In case focus servo does not function.)”.

Yes

Is FE signal output to pin 40 of U7 when the disc is set ?

No → Is there input signal on the pins 13, 14, 15 and 16 ofU7 ?

Yes → ReplaceU7.

Yes

Is FE signal inputted into the pin 142 of U9 ?

No → Check the connection of optical pickup cable.
If it is normal, replace the optical pickup.

Yes

Check or replace U9.

In case of CD.
For DVD, pins 9, 10, 11 and 12 of U7 ?

No

Yes

Check the line between theU7 and U9.

• The “No Disc” indicator. (In case focus servo does not function.)

Is there focus control signal at output pin 172 of U9 ?

No → Check the U9DAC power source periphery circuit.
If it is normal, replace U9.

Yes

Is the focus control signal from the pin 172 of U9 input into the pin 1 of U8 ?

No → Check the focus control signal (FOD) line between the U8 and U9.

Check M_5 V line.

Yes

Is the focus control drive voltage output from the pins 13 and 14 of U8 ?

No → Is 5 V voltage applied to the pin 8 of U8 ?

No

Yes → Replace U8.

Yes

Focus control drive voltage applied to pins 1 and 2 of JB1 (focus actuator terminal) ?

No → Check the line between the U9 and the focus actuator terminal.

Yes

Check the connection of optical pickup cable.
If it is normal, replace the optical pickup mechanism unit.

• The CD disc is not recognised. (When the laser beam does not go on)

Is the voltage of 3.4 V being applied to the emitter of Q10 ?
No → Check the A_5 V line.

Yes ↓

Is the voltage of 2.3 V being applied to the pin 19 of JB1 ?
No → Check the line between Q15 and CP1.

Yes ↓

Check connection of optical pickup cable.
If it is normal, replace the optical pickup mechanism unit.

• Both picture and sound do not operate normally. (1)

Place the disc on the tray and close it.

Yes ↓

When checked, disc starts rotating?
No → Refer to "Disc does not turn."

Yes ↓

Is the level of RF signal which is output from pin 57 of U7, normally ?
No → Check for contamination of objective lens of optical pickup.

No ↓

Yes ↓

Replace the DVD servo PWB unit.
No → Replace the optical pickup mechanism unit.

Yes ↓

check the DVD servo PWB unit.

• Picture do not operate normally.

Set the disc on the disc tray.

↓ Yes

Are the video signal shown above input into the pins of J3 ?

J3 pin 4 PR
J3 pin 3 PB
J3 pin 6 C
J3 pin 7 Y/G

No →

Check the line between the pins of DVD servo unit IC10 and the pins CP5.

U9 pin 113 → J3 1pin G/Y
U9 pin 114 → J3 4pin PR
U9 pin 115 → J3 13pin PB

↓ Yes

Check or replace DSP PWB.

• Sound is not given properly from speaker.

Set disc to DISC tray and play.

↓ Yes

Digital sound signal output at pin 124 of U9.

No → Check or replace U9.

↓ Yes

If U1 pin21, 23 Sound signal

No → Check or replace U1.

↓ Yes

Check or replace Amp unit.

—— **MEMO** ——

CHAPTER 8. OTHER

[1] Function table of IC

IC505 VHiLC75341M-1: Audio Processor (LC75341M)

Pin No.	Terminal Name	Function
1	DI	Serial data and clock input pin for control.
2	CE	Chip enable pin. Data written into an internal latch in a timing of "H" to "L". Each analog switch is activated. Data transfer enabled at "H" level.
3	VSS	Ground pin.
4	LOUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
5	LBASS	Bass band filter comprising capacitor and resistor connection pin.
6	LTRE	Treble band filter comprising capacitor and resistor connection pin.
7	LIN	Volume + equalizer output pin.
8	LSEL0	Input selector output pin.
9-12	L4-1	Input signal pin.
13-16	R1-4	Input signal pin.
17	RSEL0	Input selector output pin.
18	RIN	Volume + equalizer output pin
19	RTRE	Treble band filter comprising capacitor and resistor connection pin.
20	RBASS	Bass band filter comprising capacitor and resistor connection pin.
21	ROUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
22	VREF	0.5x VDD voltage generation block for analog ground. Capacitor of several 10µF to be connected between VREF and AWSS (VSS) as a countermeasure against power ripple.
23	VDD	Supply pin
24	CLK	Serial data and clock input pin for control.

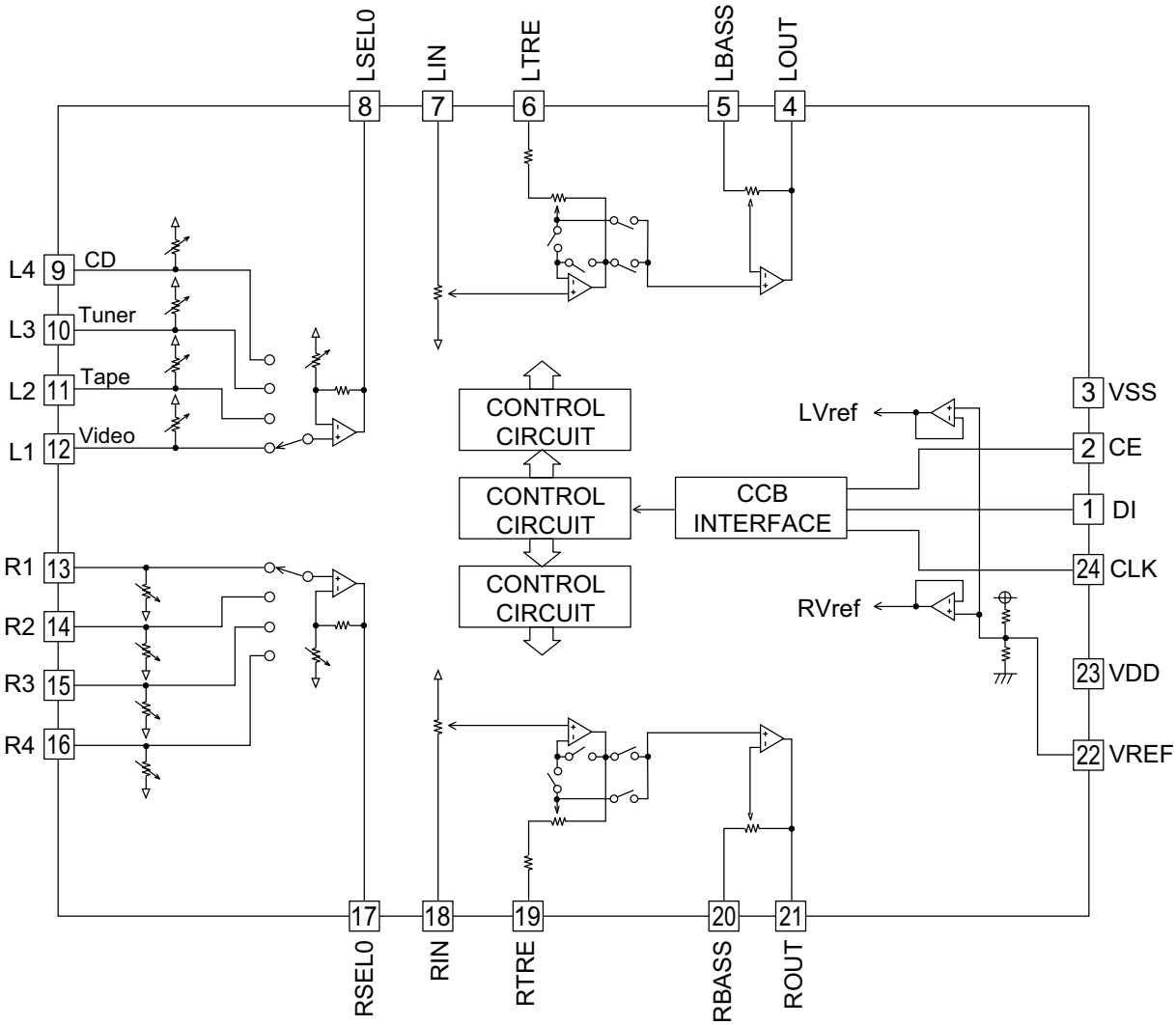


Figure 8-1 BLOCK DIAGRAM OF IC

IC101/102/103 VHiLM4732TA-1: Power amp. (LM4732TA)

Pin No.	Terminal Name	Input/Output	Function
1*	N.C.	—	Not used.
2	V-	Input	Power supply. (negative)
3*	N.C.	—	Not used.
4	V-	Input	Power supply. (negative)
5	V+	Input	Power supply. (positive)
6*	N.C.	—	Not used.
7	Out A	Output	Signal output.
8	V+	Input	Power supply. (positive)
9	V+	Input	Power supply. (positive)
10	V-	Input	Power supply. (negative)
11	V-	Input	Power supply. (negative)
12	GND	—	GND.
13*	N.C.	—	Not used.
14	Mute A	Input	Mute.
15	-INA	Input	Signal input.
16	+INA	Input	Signal input.
17	V+	Input	Power supply. (positive)
18	V-	Input	Power supply. (negative)
19	GND	—	GND.
20	Mute B	Input	Mute.
21	-INB	Input	Signal input.
22	+INB	Input	Signal input.
23*	N.C.	—	Not used.
24*	N.C.	—	Not used.
25	Out B	Output	Signal output.
26*	N.C.	—	Not used.
27	V+	Input	Power supply. (positive)

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC507 VHiCD4053M+-1: (CD4053M)

Pin No.	Terminal Name	Input/Output	Function
1	BY	Input/Output	Input/Output.
2	BX	Input/Output	Input/Output.
3	CY	Input/Output	Input/Output.
4	CX or CY	Input/Output	Input/Output.
5	CX	Input/Output	Input/Output.
6	H	Input	Input.
7	VEE	Input	Power Supply.
8	VSS	Input	Power Supply.
9	C	Input	Control.
10	B	Input	Control.
11	A	Input	Control.
12	AX	Input/Output	Input/Output.
13	AY	Input/Output	Input/Output.
14	AX or AY	Input/Output	Input/Output.
15	BY or BY	Input/Output	Input/Output.
16	VDD	Input	

IC701 RH-IX0058SJZZ: System microcomputer (IX0058SJ)

Pin No.	Terminal Name	Input/Output	Function
1, 2*	N.C.	—	N.C.
3~5*	PROG1~PROG3	—	—
6	IRQ_UP	Input	IRQ input.
7	HP_DETECT	Input	HP_Detect.
8	HP_MUTE	Input/Output	HP_Mute.
9	OPTICAL_ON	Input/Output	Optical On/Off Control.
10	VIDEO_MUTE	Input/Output	VIDEO_Mute.
11	RESET	Input	Reset.
12	XT1	Input	X tal.
13	XT2	Input/Output	X tal.
14	VSS1	Input	Power supply. (negative)
15	CF1	Input	CF1.
16	CF2	Output	CF2.
17	VDD1	Input	Power supply. (positive)
18	KEY1	Input/Output	Key 1.
19	KEY2	Input/Output	Key 2.
20	POWER_KEY	Input/Output	POWER_KEY.
21*	RDS_VSM	—	Not used.
22	RDS_DATA	Input/Output	RDS data in.
23	SIGNAL_LVL	Input/Output	SIGNAL_LVL.
24*	PATCH	Input/Output	PATCH.
25	MODEL	Input/Output	MODEL.
26	SYS_STOP	Input/Output	System stop chick out.
27	DVD_STB	Input/Output	DVD Storobe.
28*	RDS_SLK	—	Not used.
29	IRQ_FRT	Input	IRQ_FRT
30~39	1G~10G	Output	VFD Segment.
40~45	P1~P6	Output	VFD Segment.
46	VDD3	Input	+B
47~50	P7~P10	Output	VFD Segment.
51	GND	—	GND
52~71	P11~P30	Output	VFD Segment.
72	VDD4	Input	
73	SD		
74	MM+	Output	Changer motor +.
75	MM-	Output	Changer motor -.
76	FAN_PRO	Input/Output	Fan protect.
77	JOG_UP	Input	Volume up.
78	JOG_DOWN	Input	Volume down.
79	FM_ST	Input	FM Stero signal. (Tuner)
80	4094_ST		
81	P_CON		Power control.
82	FUNC_TUNER		
83	LED		LED driver.
84*	N.C.	—	Not used.
85	CE		CE signal.
86	DI		Data in signal.
87	CLK		Clock signal.
88	PROTECT	Input	PROTECT
89	VSS	—	GND
90	VDD	Input	+B
91	TUNER_DO		Tuner data out.
92~94	SW1~SW3	Input	DVD Mecha detect.
95	DVD_DI	Output	Data in.
96	DVD_DO	Input	Data out.
97	DVD_CLK	Input	DVD CLK.
98	DVD_BUSY	Output	DVD Busy.
99	CLID_OUT	Output	DVD Clid out.
100*	N.C.	—	Not used.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

—— **MEMO** ——

SHARP PARTS GUIDE

HOME THEATER WITH DVD

MODEL HT-X1

HT-X1 Home Theater with DVD consisting of HT-X1 (main unit and subwoofer/amplifier unit), CP-X1F (front speakers), CP-X1C (center speaker) CP-X1S (surround speakers).

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Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
iC101	VHiLM4732TA-1	AY			Pow Amp.,LM4732TA
iC102	VHiLM4732TA-1	AY			Pow Amp.,LM4732TA
iC103	VHiLM4732TA-1	AY			Pow Amp.,LM4732TA
iC104	VHiNJM4558D-1	AH			Buffer,NJM4558D
iC201	VHiKiA7805APi	AF			Voltage Regulator,KIA7805AP
iC202	VHiKiA7812APi	AE			Voltage Regulator,KIA7812API
iC203	VHiAN78L05/-1	AE			Constant Voltage Regulator,AN78L05
iC301	RTUNSA003SJZZ	AS			FM Front End,NSA003SJ
iC302	VHiLC72131/-1	AP			PLL (Tuner),LC72131
iC303	VHiLA1832S/-1	AN			FM IF Det./FM Mpx./AM IF,LA1832S
iC404	VHiNJM4558D-1	AH			Buffer,NJM4558D
iC405	VHiNJM4558D-1	AH			Buffer,NJM4558D
iC406	VHiNJM4558D-1	AH			Buffer,NJM4558D
iC407	VHiTCD4094B-1	AE			,TCD4094B
iC501	VHiKiA7812APi	AE			Voltage Regulator,KIA7812API
iC502	VHiKiA7805APi	AF			Voltage Regulator,KIA7805AP
iC503	VHiLM2576T/-1	AR			Voltage Regulator,LM2576T
iC504	VHiNJM4558D-1	AH			Buffer,NJM4558D
iC505	VHiLC75341M-1	AM			Audio Processor,LC75341M
iC506	VHiNJM14558-1	AF			Pre. Amp.,NJM14558
iC507	VHiCD4053M+-1	AF			,CD4053M
iC508	VHiNJM14558-1	AF			Pre. Amp.,NJM14558
iC509	VHiNJM14558-1	AF			Pre. Amp.,NJM14558
iC510	VHiNJM4558D-1	AH			Buffer,NJM4558D
iC511	VHiKiA7805APi	AF			Voltage Regulator,KIA7805AP
iC512	VHiNJM14558-1	AF			Pre. Amp.,NJM14558
iC701	RH-iX0058SJZZ	BH			System Microcomputer,IX0058SJ
[2] TRANSISTORS					
Q5A3	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q5A4	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q101	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q102	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q103	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q201	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q203	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q301	VS2SC380-Ō/-1	AC			Silicon,NPN,2SC380 O
Q351	VSKRC104M//-1	AC			Digital,NPN,KRC104 M
Q360	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q403	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q404	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q407	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q408	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q409	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q412	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q413	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q414	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q415	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q416	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q429	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q430	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q432	VSKRA107M//-1	AE			Digital,PNP,KRA107 M
Q433	VSKRC107M//-1	AC			Digital,NPN,KRC107 M
Q434	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q435	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q436	VS2SC535-C/-1	AC			Silicon,NPN,2SC535 C
Q436A	VS2SC535-C/-1	AC			Silicon,NPN,2SC535 C
Q437	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q437A	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q438	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q438A	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q439	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q439A	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q443	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q444	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q445	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q446	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q447	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q448	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q450	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q451	VSKRA107M//-1	AE			Digital,PNP,KRA107 M
Q452	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q453	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q454	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q455	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q456	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q457	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q458	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q459	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q501	VSKRA107M//-1	AE			Digital,PNP,KRA107 M
Q502	VS2SD601AR/-1	AC			Silicon,NPN,2SD601 AR
Q503	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q504	VS2SB562-C/-1	AD			Silicon,PNP,2SB562 C
Q505	VSKTA1271Y/-1	AC			Silicon,PNP,KTA1271 Y
Q506	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[2] TRANSISTORS					
Q507	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q508	VSKTA1271Y/-1	AC			Silicon,PNP,KTA1271 Y
Q509	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q510	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q517	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q518	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q521	VS2SB561-C/-1	AC			Silicon,PNP,2SB561 C
Q522	VS2SD601AR/-1	AC			Silicon,NPN,2SD601 AR
Q524	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q525	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q701	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q702	VSKRC107M//-1	AC			Digital,NPN,KRC107 M
Q703	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q704	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q709	VSKRC107M//-1	AC			Digital,NPN,KRC107 M
[3] DIODES					
D101	VHDGBJ10GM/-1	AH			Silicon,GBJ10GM
D102	VHD1N4148//-1	AA			Silicon,1N4148
D205	VHD1N5402M/-1	AE			Silicon,1N5402M
D206	VHD1N5402M/-1	AE			Silicon,1N5402M
D207	VHD1N5402M/-1	AE			Silicon,1N5402M
D208	VHD1N5402M/-1	AE			Silicon,1N5402M
D209	VHD1N4004//-1	AB			Silicon,1N4004
D210	VHD1N4004//-1	AB			Silicon,1N4004
D211	VHD1N4004//-1	AB			Silicon,1N4004
D212	VHD1N4004//-1	AB			Silicon,1N4004
D216	VHD1N4004//-1	AB			Silicon,1N4004
D217	VHD1N4004//-1	AB			Silicon,1N4004
D218	VHD1N4004//-1	AB			Silicon,1N4004
D219	VHD1N4004//-1	AB			Silicon,1N4004
D220	VHD1N4004//-1	AB			Silicon,1N4004
D221	VHD1N4004//-1	AB			Silicon,1N4004
D301	VHD1N4148//-1	AA			Silicon,1N4148
D302	VHD1N4148//-1	AA			Silicon,1N4148
D303	VHD1N4148//-1	AA			Silicon,1N4148
D304	VHD1N4148//-1	AA			Silicon,1N4148
D308	VHD1N4148//-1	AA			Silicon,1N4148
D410	VHD1N4148//-1	AA			Silicon,1N4148
D411	VHD1N4148//-1	AA			Silicon,1N4148
D416	VHD1N4148//-1	AA			Silicon,1N4148
D417	VHD1N4148//-1	AA			Silicon,1N4148
D418	VHD1N4148//-1	AA			Silicon,1N4148
D419	VHD1N4148//-1	AA			Silicon,1N4148
D420	VHD1N4148//-1	AA			Silicon,1N4148
D421	VHD1N4148//-1	AA			Silicon,1N4148
D422	VHD1N4148//-1	AA			Silicon,1N4148
D424	VHD1N4004//-1	AB			Silicon,1N4004
D425	VHD1N4004//-1	AB			Silicon,1N4004
D426	VHD1N4004//-1	AB			Silicon,1N4004
D427	VHD1N4004//-1	AB			Silicon,1N4004
D427A	VHD1N4004//-1	AB			Silicon,1N4004
D429	VHD1N4148//-1	AA			Silicon,1N4148
D431	VHD1N4148//-1	AA			Silicon,1N4148
D432	VHD1N4148//-1	AA			Silicon,1N4148
D433	VHD1N4148//-1	AA			Silicon,1N4148
D434	VHD1N4148//-1	AA			Silicon,1N4148
D435	VHD1N4148//-1	AA			Silicon,1N4148
D436	VHD1N4148//-1	AA			Silicon,1N4148
D437	VHD1N4148//-1	AA			Silicon,1N4148
D440	VHD1N4148//-1	AA			Silicon,1N4148
D441	VHD1N4148//-1	AA			Silicon,1N4148
D442	VHD1N4148//-1	AA			Silicon,1N4148
D443	VHD1N4148//-1	AA			Silicon,1N4148
D452	VHD1N4148//-1	AA			Silicon,1N4148
D453	VHD1N4148//-1	AA			Silicon,1N4148
D454	VHD1N4148//-1	AA			Silicon,1N4148
D455	VHD1N4148//-1	AA			Silicon,1N4148
D456	VHD1N4148//-1	AA			Silicon,1N4148
D457	VHD1N4148//-1	AA			Silicon,1N4148
D458	VHD1N4148//-1	AA			Silicon,1N4148
D459	VHD1N4148//-1	AA			Silicon,1N4148
D503	VHD1N4148W/-1	AB			Silicon,1N4148W
D504	VHD1N4148W/-1	AB			Silicon,1N4148W
D505	VHD1N4004//-1	AB			Silicon,1N4004
D506	VHD1N4004//-1	AB			Silicon,1N4004
D507	VHD1N4004//-1	AB			Silicon,1N4004
D508	VHD1N5822//-1	AD			Silicon,1N5822
D509	VHD1N4148//-1	AA			Silicon,1N4148
D511	VHD1N4004//-1	AB			Silicon,1N4004
D512	VHD1N4148W/-1	AB			Silicon,1N4148W
D701	VHD1N4004//-1	AB			Silicon,1N4004
D702	VHD1N4148//-1	AA			Silicon,1N4148
D703	VHD1N4148//-1	AA			Silicon,1N4148
D704	VHD1N4148//-1	AA			Silicon,1N4148

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[3] DIODES					
	D705	VHD1N4148//-1	AA			Silicon,1N4148
	D706	VHD1N4004//-1	AB			Silicon,1N4004
	D706A	VHD1N4148W/-1	AB			Silicon,1N4148W
	D706B	VHD1N4148W/-1	AB			Silicon,1N4148W
	D707	VHD1N4148//-1	AA			Silicon,1N4148
	D708	VHD1N4004//-1	AB			Silicon,1N4004
	LED702	VHPLPBB73V1-1	AF			LED,BLUE,LPBB73V
	ZD101	VHEDZH1602+-1	AB			Zener,16V,DZH16
	ZD102	VHEDZH1602+-1	AB			Zener,16V,DZH16
	ZD201	VHEDZH3001+-1	AB			Zener,30V,DZH3001
	ZD202	VHEDZH06C2+-1	AB			Zener,6.2V,DZH06C2
	ZD351	VHEDZH05C2+-1	AB			Zener,5.1V,DZH05C2
	ZD423	VHEDZH09C1+-1	AB			Zener,9.1V,DZH9C1
	ZD424	VHD1N4148//-1	AA			Silicon,1N4148
	ZD425	VHEDZH03C3+-1	AB			Zener,3.3V,DZH03C3
	ZD701	VHEDZH03C3+-1	AB			Zener,3.3V,DZH03C3
	[4] FILTERS					
	CF302	RFiLFA001SJZZ	AE			FM IF
	CF303	RFiLFA001SJZZ	AE			FM IF
	CF351	RFiLF0003AWZZ	AK			FM IF
	CF352	RFiLA0003SJZZ	AF			AM IF
	[5] TRANSFORMERS					
⚠	T201	RTRNPA039SJZZ				Main Power with CNS201/CNS202/CNS204
⚠	T202	RTRNPA040SJZZ				Sub Power
	T302	RCiLAA002SJZZ	AC			AM Antenna
	T306	RCiLBA006SJZZ	AC			AM OSC
	T351	RCiLiA002SJZZ	AC			AM IF
	[6] COILS					
	L5A1	RCORF0010SJZZ	AB			Coil
	L301	RBLN-0001SJZZ	AE			Balun
	L342	VP-DH2R2K0000	AB			2.2 μH,Peaking
	L351	VP-DH101K0000	AB			100 μH,Choke
	L352	VP-DH101K0000	AB			100 μH,Choke
	L353	VP-DH102K0000	AB			1 mH,Choke
	L354	RFiLL0001SJZZ	AF			Low Pass Filter
	L501	RCiLCA001SJZZ	AD			100 μH
	L502	VP-DH2R2K0000	AB			2.2 μH,Peaking
	L503	VP-DH100K0000	AB			10 μH,Choke
	L504	VP-DH100K0000	AB			10 μH,Choke
	L506	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
	L507	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
	L508	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
	L509	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
	L510	RCORF0010SJZZ	AB			Coil
	L511	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
	L513	RCORFA008SJZZ	AB			Coil
	L513A	RCORFA008SJZZ	AB			Coil
	L513B	RCORFA008SJZZ	AB			Coil
	L514	RCORFA008SJZZ	AB			Coil
	L701	VP-DHR82K0000	AE			0.82 μH,Choke
	L703	VP-DHR82K0000	AE			0.82 μH,Choke
	L704	VP-DHR82K0000	AE			0.82 μH,Choke
	L705	VP-DHR82K0000	AE			0.82 μH,Choke
	L706	VP-DH2R2K0000	AB			2.2 μH,Peaking
⚠	LF201	RCiLZA004SJZZ	AD			Line Filter
	[7] VARIABLE RESISTOR					
	VR351	RVR-M0026AWZZ	AC			10 kohm (B),Semi-VR
	[8] VARIABLE CAPACITOR					
	VD301	VHCSVC348S/-1	AK			Variable Capacitance,SVC348S
	[9] VIBRATORS					
	X351	RCRM-0007SJZZ	AG			VCO,456 kHz
	X352	RCRSP0006SJZZ	AF			Crystal,4.5 MHz
	X701	RCRSPA007SJZZ	AE			Crystal,32.768 kHz
	X702	RCRM-0008SJZZ	AG			Ceramic,8 MHz
	[10] CAPACITORS					
	C014	VCKYCY1HB104K	AD			0.1 μF,50V
	C015	VCKYCY1HB104K	AD			0.1 μF,50V
	C016	VCKYPA1HB223K	AB			0.022 μF,50V
	C5A1	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5A4	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5A5	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5A6	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5A7	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5A8	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5A9	VCKYPA1HB222K	AA			0.0022 μF,50V
	C5B1	VCKYPA1HB222K	AA			0.0022 μF,50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C5B2	VCKYPA1HB222K	AA			0.0022 μ F,50V
C5B3	VCKYPA1HB104K	AC			0.1 μ F,50V
C5B4	VCKYCY1HB222K	AA			0.0022 μ F,50V
C101	VCKYCY1HB104K	AD			0.1 μ F,50V
C102	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C103	VCKYCY1HB104K	AD			0.1 μ F,50V
C104	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C105	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C106	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C107	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C108	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C109	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C110	VCKYCY1HB151K	AA			150 pF,50V
C111	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C112	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C113	VCKYCY1HB104K	AD			0.1 μ F,50V
C114	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C115	VCKYCY1HB104K	AD			0.1 μ F,50V
C116	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C117	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C118	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C119	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C120	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C121	VCKYCY1HB151K	AA			150 pF,50V
C123	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C124	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C125	VCKYCY1HB151K	AA			150 pF,50V
C126	VCKYCY1HB151K	AA			150 pF,50V
C127	VCKYPA1HB104K	AC			0.1 μ F,50V
C128	RC-GZW478AF1H	AH			4700 μ F,50V,Electrolytic
C129	RC-GZW478AF1H	AH			4700 μ F,50V,Electrolytic
C130	VCKYPA1HB104K	AC			0.1 μ F,50V
C131	VCKYPA1HB104K	AC			0.1 μ F,50V
C132	VCKYCY1HB104K	AD			0.1 μ F,50V
C133	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C134	VCKYPA1HB104K	AC			0.1 μ F,50V
C136	VCKYCY1HB222K	AA			0.0022 μ F,50V
C137	VCKYCY1HB222K	AA			0.0022 μ F,50V
C151	RC-GZA225AF1C	AC			2.2 μ F,16V,Electrolytic
C153	VCKYPA1HB104K	AC			0.1 μ F,50V
C166	VCKYCY1HB151K	AA			150 pF,50V
C167	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C168	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C169	VCKYCY1HB151K	AA			150 pF,50V
C170	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C172	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C173	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C174	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C175	VCKYCY1HB104K	AD			0.1 μ F,50V
C176	RC-GZA106AF1H	AB			10 μ F,50V,Electrolytic
C177	VCKYCY1HB104K	AD			0.1 μ F,50V
C188	VCKYPA1HB223K	AB			0.022 μ F,50V
C189	VCKYPA1HB223K	AB			0.022 μ F,50V
C190	VCKYPA1HB223K	AB			0.022 μ F,50V
C191	VCKYPA1HB223K	AB			0.022 μ F,50V
C192	VCKYPA1HB223K	AB			0.022 μ F,50V
C193	VCKYPA1HB223K	AB			0.022 μ F,50V
C194	VCKYPA1HB223K	AB			0.022 μ F,50V
C195	VCKYPA1HB223K	AB			0.022 μ F,50V
C196	VCKYPA1HB223K	AB			0.022 μ F,50V
C197	VCKYPA1HB223K	AB			0.022 μ F,50V
C198	VCKYPA1HB223K	AB			0.022 μ F,50V
C199	VCKYPA1HB223K	AB			0.022 μ F,50V
C201	VCKYCY1HB151K	AA			150 pF,50V
C202	VCKYCY1HB151K	AA			150 pF,50V
C203	VCKYCY1HB151K	AA			150 pF,50V
C204	VCKYCY1HB151K	AA			150 pF,50V
C205	VCKYCY1HB151K	AA			150 pF,50V
C206	VCKYPA1HF104Z	AB			0.1 μ F,50V
C206A	VCKYPA1HF104Z	AB			0.1 μ F,50V
C206B	VCKYCY1HB151K	AA			150 pF,50V
C207	RC-GZW688AF1E	AH			6800 μ F,25V,Electrolytic
C208	VCKYPA1HF104Z	AB			0.1 μ F,50V
C209	VCKYPA1HF104Z	AB			0.1 μ F,50V
C210	RC-GZA107AF1H	AC			100 μ F,50V,Electrolytic
C211	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C212	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C213	RC-GZA227AF1H	AE			220 μ F,50V,Electrolytic
C214	RC-GZA476AF1J	AC			47 μ F,63V,Electrolytic
C215	RC-GZA107AF1H	AC			100 μ F,50V,Electrolytic
C216	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C216A	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C217	VCKYPA1HF473Z	AB			0.047 μ F,50V
C218	RC-GZA227AF1E	AB			220 μ F,25V,Electrolytic
C219	VCKYPA1HF223Z	AB			0.022 μ F,50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C224	RC-GZW338AF1E	AG			3300 μ F,25V,Electrolytic
C225	VCFYFA1HA473J	AB			0.047 μ F,50V,Thin Film
C226	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C227	VCFYFA1HA473J	AB			0.047 μ F,50V,Thin Film
C228	VCKYPA1HF473Z	AB			0.047 μ F,50V
C229	VCKYPA1HF473Z	AB			0.047 μ F,50V
C232	RC-GZV228AF1C	AG			2200 μ F,16V,Electrolytic
C233	VCCCCY1HH221J	AA			220 pF (CH),50V
C234	VCCCCY1HH221J	AA			220 pF (CH),50V
C235	VCCCCY1HH221J	AA			220 pF (CH),50V
C236	VCCCCY1HH221J	AA			220 pF (CH),50V
C237	VCCCCY1HH221J	AA			220 pF (CH),50V
C238	VCCCCY1HH221J	AA			220 pF (CH),50V
C256	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C301	VCKYCY1EF123Z	AA			0.012 μ F,25V
C302	VCKYCY1HB102K	AA			0.001 μ F,50V
C324	VCKYPA1HF223Z	AB			0.022 μ F,50V
C325	RC-GZA107AF1C	AB			100 μ F,16V,Electrolytic
C329	VCKYCY1EF223Z	AB			0.022 μ F,25V
C330	VCCCPA1HH120J	AA			12 pF (CH),50V
C331	VCKYCY1EF473Z	AB			0.047 μ F,25V
C332	VCKYPA1HF223Z	AB			0.022 μ F,50V
C334	VCCUPA1HJ270J	AA			27 pF (UJ),50V
C335	VCKYCY1HB561K	AA			560 pF,50V
C337	VCKYPA1HF223Z	AB			0.022 μ F,50V
C341	VCKYCY1EF223Z	AB			0.022 μ F,25V
C343	VCCSCY1HL330J	AD			33 pF,50V
C344	VCCSCY1HL330J	AD			33 pF,50V
C345	VCKYCY1EF223Z	AB			0.022 μ F,25V
C346	VCKYCY1EF223Z	AB			0.022 μ F,25V
C347	VCKYCY1EF223Z	AB			0.022 μ F,25V
C348	RC-GZA107AF1C	AB			100 μ F,16V,Electrolytic
C349	VCKYCY1HB102K	AA			0.001 μ F,50V
C350	VCKYCY1EF223Z	AB			0.022 μ F,25V
C351	VCKYCY1EF223Z	AB			0.022 μ F,25V
C352	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C353	VCKYCY1EF223Z	AB			0.022 μ F,25V
C354	VCKYCY1EF223Z	AB			0.022 μ F,25V
C355	VCCSCY1HL220J	AD			22 pF,50V
C356	VCKYCY1HB102K	AA			0.001 μ F,50V
C357	RC-GZA225AF1H	AB			2.2 μ F,50V,Electrolytic
C358	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C360	VCKYCY1EF223Z	AB			0.022 μ F,25V
C361	VCKYCY1EF223Z	AB			0.022 μ F,25V
C362	RC-GZA335AF1H	AB			3.3 μ F,50V,Electrolytic
C363	VCKYCY1EF223Z	AB			0.022 μ F,25V
C364	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C365	VCKYCY1EF223Z	AB			0.022 μ F,25V
C366	VCKYCY1HB102K	AA			0.001 μ F,50V
C367	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C368	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C369	VCCSCY1HL560J	AD			56 pF,50V
C370	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C371	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C372	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C373	VCTYPA1CX183K	AA			0.018 μ F,16V
C374	VCTYPA1CX183K	AA			0.018 μ F,16V
C376	VCKYCY1EF103Z	AA			0.01 μ F,25V
C378	VCKYPA1HB331K	AA			330 pF,50V
C380	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C381	VCCCCY1HH120J	AA			12 pF (CH),50V
C382	VCCCCY1HH150J	AA			15 pF (CH),50V
C383	VCKYCY1EF223Z	AB			0.022 μ F,25V
C384	VCKYCY1HB102K	AA			0.001 μ F,50V
C385	VCKYPA1HF103Z	AB			0.01 μ F,50V
C386	VCKYPA1HB331K	AA			330 pF,50V
C387	VCKYCY1EF223Z	AB			0.022 μ F,25V
C388	VCKYCY1HB473K	AB			0.047 μ F,50V
C391	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C392	VCKYCY1HB102K	AA			0.001 μ F,50V
C393	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C394	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C395	VCKYCY1EF223Z	AB			0.022 μ F,25V
C396	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C397	VCKYCY1EF223Z	AB			0.022 μ F,25V
C398	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C399	VCKYPA1HF223Z	AB			0.022 μ F,50V
C401	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C402	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C402A	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C403	VCCCCY1HH470J	AA			47 pF (CH),50V
C404	VCCCCY1HH470J	AA			47 pF (CH),50V
C405	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C411	VCKYCY1HF104Z	AB			0.1 μ F,50V
C412	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C413	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C414	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C415	VCKYCY1HF104Z	AB			0.1 μ F,50V
C416	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C417	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C420	VCCCCY1HH470J	AA			47 pF (CH),50V
C421	VCCCCY1HH470J	AA			47 pF (CH),50V
C422	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C422A	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C425	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C426	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C429	VCKYPA1HF104Z	AB			0.1 μ F,50V
C431	VCCCCY1HH470J	AA			47 pF (CH),50V
C433	VCKYPA1HB472K	AB			0.0047 μ F,50V
C434	VCKYPA1HF104Z	AB			0.1 μ F,50V
C435	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C438	VCKYPA1HB104K	AC			0.1 μ F,50V
C440	VCKYPA1HB472K	AB			0.0047 μ F,50V
C442	VCKYPA1HB104K	AC			0.1 μ F,50V
C443	VCKYPA1HB104K	AC			0.1 μ F,50V
C444	VCKYPA1HB104K	AC			0.1 μ F,50V
C445	VCKYPA1HB472K	AB			0.0047 μ F,50V
C446	VCKYPA1HB104K	AC			0.1 μ F,50V
C449	VCKYPA1HB472K	AB			0.0047 μ F,50V
C450	VCKYCY1HB681K	AA			680 pF,50V
C451	VCKYCY1HB221K	AA			220 pF,50V
C452	VCKYPA1HB104K	AC			0.1 μ F,50V
C453	VCKYCY1HB221K	AA			220 pF,50V
C463	RC-GZA335AF1C	AB			3.3 μ F,16V,Electrolytic
C464	VCKYPA1HB222K	AA			0.0022 μ F,50V
C465	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C470	RC-GZA107AF1C	AB			100 μ F,16V,Electrolytic
C478	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C478A	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C479	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C479A	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C481	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C484	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C485	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C488	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C489	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C490	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C494	VCKYCY1HF104Z	AB			0.1 μ F,50V
C495	VCKYPA1HB472K	AB			0.0047 μ F,50V
C496	VCKYPA1HB472K	AB			0.0047 μ F,50V
C497	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C497A	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C498	VCKYCY1HB151K	AA			150 pF,50V
C500A	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C500B	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C500C	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C501	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C502	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C503	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C504	VCCCCY1HH470J	AA			47 pF (CH),50V
C505	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C506	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C507	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C509	VCCCCY1HH151J	AA			150 pF (CH),50V
C510	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C510A	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C510B	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C510C	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C511	VCCCCY1HH220J	AA			22 pF (CH),50V
C512	VCCCCY1HH220J	AA			22 pF (CH),50V
C512A	VCKYCY1HB104K	AD			0.1 μ F,50V
C512B	VCKYCY1HB104K	AD			0.1 μ F,50V
C512C	VCKYCY1HB104K	AD			0.1 μ F,50V
C513	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C514	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C515	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C516	VCCCCY1HH470J	AA			47 pF (CH),50V
C517	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C518	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C519	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C521	VCCCCY1HH470J	AA			47 pF (CH),50V
C522	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C523	VCCCCY1HH220J	AA			22 pF (CH),50V
C524	VCCCCY1HH220J	AA			22 pF (CH),50V
C525	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C526	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C527	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C528	VCCCCY1HH470J	AA			47 pF (CH),50V
C529	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C529A	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C529B	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C529C	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C530	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C531	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C532A	VCCCCY1HH470J	AA			47 pF (CH),50V
C532B	VCCCCY1HH470J	AA			47 pF (CH),50V
C533	VCCCCY1HH470J	AA			47 pF (CH),50V
C534	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C535	VCCCCY1HH220J	AA			22 pF (CH),50V
C536	VCCCCY1HH220J	AA			22 pF (CH),50V
C537	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C538	VCKYCY1EF473Z	AB			0.047 μ F,25V
C539	VCKYCY1HB332K	AA			0.0033 μ F,50V
C540	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C541	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C543	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C543A	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C544	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C545	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C546	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C547	RC-EZD225AF1H	AB			2.2 μ F,50V,Electrolytic
C548	VCCCCY1HH221J	AA			220 pF (CH),50V
C549	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C550	VCKYCY1HB153K	AA			0.015 μ F,50V
C552	VCCCCY1HH221J	AA			220 pF (CH),50V
C553	VCCCCY1HH221J	AA			220 pF (CH),50V
C554	VCCCCY1HH221J	AA			220 pF (CH),50V
C555	RC-GZA107AF1C	AB			100 μ F,16V,Electrolytic
C556	RC-GZA336AF1C	AB			33 μ F,16V,Electrolytic
C557	RC-GZA225AF1C	AC			2.2 μ F,16V,Electrolytic
C558	VCKYPA1HB104K	AC			0.1 μ F,50V
C559	RC-QZA104AFYJ	AC			0.1 μ F,50V,Mylar
C560	VCKYCY1HB272K	AA			0.0027 μ F,50V
C561	RC-GZA225AF1H	AB			2.2 μ F,50V,Electrolytic
C562	RC-GZA475AF1H	AB			4.7 μ F,50V,Electrolytic
C564	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C565	RC-GZA225AF1C	AC			2.2 μ F,16V,Electrolytic
C566	VCKYPA1HB104K	AC			0.1 μ F,50V
C567	RC-QZA104AFYJ	AC			0.1 μ F,50V,Mylar
C568	VCKYCY1HB272K	AA			0.0027 μ F,50V
C569	RC-GZA225AF1H	AB			2.2 μ F,50V,Electrolytic
C570	RC-GZA475AF1H	AB			4.7 μ F,50V,Electrolytic
C571	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C572	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C573	VCKYCY1HB104K	AD			0.1 μ F,50V
C574	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C575	VCKYCY1HB222K	AA			0.0022 μ F,50V
C576	VCCCCY1HH331J	AA			330 pF (CH),50V
C577	VCCCCY1HH331J	AA			330 pF (CH),50V
C580	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C581	VCKYCY1HB104K	AD			0.1 μ F,50V
C582A	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C582B	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C582C	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C582D	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C582E	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C584	RC-EZD107AF1E	AD			100 μ F,25V,Electrolytic
C585	RC-EZD477AF1C	AB			470 μ F,16V,Electrolytic
C586	VCKYCY1HB104K	AD			0.1 μ F,50V
C586A	VCKYCY1HB104K	AD			0.1 μ F,50V
C587	RC-GZA227AF1A	AB			220 μ F,10V,Electrolytic
C588	VCKYCY1HB473K	AB			0.047 μ F,50V
C589	RC-GZA476AF1E	AB			47 μ F,25V,Electrolytic
C590	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C591	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C592	VCKYCY1HB473K	AB			0.047 μ F,50V
C594	RC-EZD226AF1E	AB			22 μ F,25V,Electrolytic
C596	RC-EZD226AF1E	AB			22 μ F,25V,Electrolytic
C598	RC-EZD226AF1E	AB			22 μ F,25V,Electrolytic
C599	RC-EZD107AF1E	AD			100 μ F,25V,Electrolytic
C599A	VCKYCY1HB222K	AA			0.0022 μ F,50V
C599B	VCKYCY1HB222K	AA			0.0022 μ F,50V
C599C	VCKYCY1HB271K	AA			270 pF,50V
C599D	VCKYCY1HB271K	AA			270 pF,50V
C633	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C634	RC-EZD106AF1C	AB			10 μ F,16V,Electrolytic
C637	VCCCCY1HH330J	AA			33 pF (CH),50V
C638	VCCCCY1HH330J	AA			33 pF (CH),50V
C639	RC-EZD107AF1C	AC			100 μ F,16V,Electrolytic
C640	RC-EZD107AF1C	AC			100 μ F,16V,Electrolytic
C641	VCKYCY1HB223K	AA			0.022 μ F,50V
C665	RC-EZD227AF1C	AB			220 μ F,16V,Electrolytic
C667	RC-EZD477AF1C	AB			470 μ F,16V,Electrolytic
C667A	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C670	VCQYKA1JM224J	AC			0.22 μ F,63V,Mylar

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C672	VCKYCY1EF473Z	AB			0.047 μ F,25V
C701	VCKYCY1HB104K	AD			0.1 μ F,50V
C702	VCKYCY1HB104K	AD			0.1 μ F,50V
C703	VCCCCY1HH220J	AA			22 pF (CH),50V
C704	VCCCCY1HH220J	AA			22 pF (CH),50V
C705	VCKYCY1HB104K	AD			0.1 μ F,50V
C706	RC-EZD227AF1A	AC			220 μ F,10V,Electrolytic
C706A	VCKYCY1HB472K	AA			0.0047 μ F,50V
C707	VCKYCY1HB104K	AD			0.1 μ F,50V
C708	VCKYCY1HB101K	AB			100 pF,50V
C709	RC-EZD107AF1A	AB			100 μ F,10V,Electrolytic
C710	VCKYCY1HF473Z	AB			0.047 μ F,50V
C711	VCKYCY1HB104K	AD			0.1 μ F,50V
C712	RC-EZD336AF1C	AB			33 μ F,16V,Electrolytic
C713	VCKYCY1HB103K	AA			0.01 μ F,50V
C714	VCKYCY1HB102K	AA			0.001 μ F,50V
C715	VCKYCY1HB102K	AA			0.001 μ F,50V
C716	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C717	VCKYCY1HF473Z	AB			0.047 μ F,50V
C718	RC-EZD107AF1A	AB			100 μ F,10V,Electrolytic
C719	VCKYCY1HB101K	AB			100 pF,50V
C720	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C801	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C802	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C803	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C806	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C809	RC-GZA476AF1H	AB			47 μ F,50V,Electrolytic
C810	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C811	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C812	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C813	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C814	VCKYCY1HF223Z	AA			0.022 μ F,50V
C815	VCKYCY1HF223Z	AA			0.022 μ F,50V
C816	VCKYCY1HF223Z	AA			0.022 μ F,50V
C817	VCKYCY1HF223Z	AA			0.022 μ F,50V
C818	VCKYCY1HF223Z	AA			0.022 μ F,50V
C819	VCKYCY1HF223Z	AA			0.022 μ F,50V
C820	VCKYCY1HB222K	AA			0.0022 μ F,50V
C821	VCKYCY1HB222K	AA			0.0022 μ F,50V
C822	VCKYPA1HB472K	AB			0.0047 μ F,50V
C823	VCKYPA1HB472K	AB			0.0047 μ F,50V
C824	VCKYPA1HB472K	AB			0.0047 μ F,50V
C825	VCKYPA1HB472K	AB			0.0047 μ F,50V
C826	VCKYPA1HB472K	AB			0.0047 μ F,50V
C827	VCKYPA1HB472K	AB			0.0047 μ F,50V
C901	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C902	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C903	VCKYPA1HF102Z	AA			0.001 μ F,50V
C904	VCKYCY1HB222K	AA			0.0022 μ F,50V
[11] RESISTORS					
JB101	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JB103	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP2	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP3	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP4	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP5	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP6	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JR401	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R5B1	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R5B2	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R5B3	VRS-CY1JB471J	AA			470 ohms,1/16W
R5B4	VRS-CY1JB471J	AA			470 ohms,1/16W
R5C1	VRS-CY1JB181J	AA			180 ohms,1/16W
R5C2	VRS-CY1JB181J	AA			180 ohms,1/16W
R76	VRS-CY1JB102J	AA			1 kohm,1/16W
R101	VRD-ST2EE102J	AA			1 kohm,1/4W
R102	VRD-ST2EE102J	AA			1 kohm,1/4W
R103	VRD-ST2EE102J	AA			1 kohm,1/4W
R104	VRS-CY1JB102J	AA			1 kohm,1/16W
R105	VRS-CY1JB102J	AA			1 kohm,1/16W
R106	VRS-CY1JB823J	AA			82 kohms,1/16W
R106A	VRS-CY1JB823J	AA			82 kohms,1/16W
R107	VRS-CY1JB823J	AA			82 kohms,1/16W
R107A	VRS-CY1JB823J	AA			82 kohms,1/16W
R108	VRS-CY1JB823J	AA			82 kohms,1/16W
R108A	VRS-CY1JB823J	AA			82 kohms,1/16W
R109	VRS-CY1JB823J	AA			82 kohms,1/16W
R109A	VRS-CY1JB823J	AA			82 kohms,1/16W
R110	VRS-CY1JB123J	AA			12 kohms,1/16W
R111	VRS-CY1JB123J	AA			12 kohms,1/16W
R112	VRD-ST2CD183J	AA			18 kohms,1/6W
R113	VRD-ST2CD183J	AA			18 kohms,1/6W
R115	VRS-CY1JB102J	AA			1 kohm,1/16W
R116	VRS-CY1JB823J	AA			82 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R116A	VRS-CY1JB823J	AA			82 kohms,1/16W
R117	VRS-CY1JB823J	AA			82 kohms,1/16W
R117A	VRS-CY1JB823J	AA			82 kohms,1/16W
R118	VRS-CY1JB183J	AA			18 kohms,1/16W
R119	VRS-CY1JB123J	AA			12 kohms,1/16W
R121	VRS-CY1JB183J	AA			18 kohms,1/16W
R122	VRD-ST2CD183J	AA			18 kohms,1/6W
R123	VRS-CY1JB183J	AA			18 kohms,1/16W
R134	VRS-CY1JB471J	AA			470 ohms,1/16W
R137	VRS-CY1JB471J	AA			470 ohms,1/16W
R146	VRS-CY1JB471J	AA			470 ohms,1/16W
R147	VRS-CY1JB471J	AA			470 ohms,1/16W
R149	VRS-CY1JB471J	AA			470 ohms,1/16W
R151	VRS-CY1JB471J	AA			470 ohms,1/16W
R152	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R153	VRD-ST2CD271J	AA			270 ohms,1/6W
R154	VRD-ST2CD103J	AA			10 kohm,1/6W
R155	VRD-ST2EE102J	AA			1 kohm,1/4W
R156	VRS-CY1JB103J	AA			10 kohm,1/16W
R157	VRS-CY1JB124D	AA			120 kohms,1/16W
R158	VRS-CY1JB184D	AA			180 kohms,1/16W
R159	VRS-CY1JB103D	AA			10 kohm,1/16W
R160	VRS-CY1JB183D	AA			18 kohms,1/16W
R161	VRS-CY1JB183D	AA			18 kohms,1/16W
R162	VRS-CY1JB183D	AA			18 kohms,1/16W
R163	VRS-CY1JB183D	AA			18 kohms,1/16W
R164	VRS-CY1JB183D	AA			18 kohms,1/16W
R165	VRS-CY1JB183D	AA			18 kohms,1/16W
R166	VRD-ST3LD0R1J				0.1 ohms,3.0W
R167	VRS-CY1JB183D	AA			18 kohms,1/16W
R168	VRS-CY1JB183D	AA			18 kohms,1/16W
R169	VRS-CY1JB184D	AA			180 kohms,1/16W
R170	VRS-CY1JB103D	AA			10 kohm,1/16W
R171	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R172	VRS-CY1JB102J	AA			1 kohm,1/16W
R173	VRS-CY1JB474J	AA			470 kohms,1/16W
R175	VRS-CY1JB621J	AA			620 ohms,1/16W
R181	VRD-ST2EE102J	AA			1 kohm,1/4W
R190	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R191	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R192	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R193	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R194	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R195	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R196	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R197	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R198	VRS-CY1JB103J	AA			10 kohm,1/16W
R199	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R201	VRD-ST2CD820J	AA			82 ohms,1/6W
R202	VRD-ST2CD820J	AA			82 ohms,1/6W
R203	VRD-ST2CD123J	AA			12 kohms,1/6W
R204	VRD-ST2CD331J	AA			330 ohms,1/6W
R205	VRD-ST2CD331J	AA			330 ohms,1/6W
R206	VRD-ST2CD102J	AA			1 kohm,1/6W
R207	VRD-ST2CD100J	AA			10 ohm,1/6W
R208	VRD-ST2CD473J	AA			47 kohms,1/6W
R210	VRD-ST2CD103J	AA			10 kohm,1/6W
R216	VRD-ST2CD272J	AA			2.7 kohms,1/6W
R218	VRD-ST2CD473J	AA			47 kohms,1/6W
R313	VRS-CY1JB681J	AA			680 ohms,1/16W
R323	VRS-CY1JB683J	AA			68 kohms,1/16W
R336	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R343	VRD-ST2CD181J	AA			180 ohms,1/6W
R344	VRS-CY1JB681J	AA			680 ohms,1/16W
R345	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R346	VRS-CY1JB331J	AA			330 ohms,1/16W
R347	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R349	VRS-CY1JB330J	AA			33 ohms,1/16W
R350	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R351	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R352	VRS-CY1JB102J	AA			1 kohm,1/16W
R353	VRS-CY1JB271J	AA			270 ohms,1/16W
R355	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R356	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R357	VRS-CY1JB474J	AA			470 kohms,1/16W
R358	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R359	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R360	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R361	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R362	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R365	VRS-CY1JB103J	AA			10 kohm,1/16W
R366	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R369A	VRS-CY1JB680J	AA			68 ohms,1/16W
R369B	VRS-CY1JB820J	AA			82 ohms,1/16W
R371	VRS-CY1JB102J	AA			1 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R372	VRS-CY1JB102J	AA			1 kohm,1/16W
R373	VRS-CY1JB102J	AA			1 kohm,1/16W
R374	VRS-CY1JB102J	AA			1 kohm,1/16W
R376	VRD-ST2CD103J	AA			10 kohm,1/6W
R377	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R379	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R380	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R381	VRS-CY1JB103J	AA			10 kohm,1/16W
R382	VRD-ST2EE331J	AA			330 ohms,1/4W
R383	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R384	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R385	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R386	VRD-ST2EE331J	AA			330 ohms,1/4W
R387	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R391	VRD-ST2EE391J	AA			390 ohms,1/4W
R392	VRD-ST2EE391J	AA			390 ohms,1/4W
R393	VRS-CY1JB102J	AA			1 kohm,1/16W
R395	VRD-ST2CD473J	AA			47 kohms,1/6W
R399	VRD-ST2EE100J	AA			10 ohm,1/4W
R401	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R402	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R405	VRD-ST2CD153J	AA			15 kohms,1/6W
R406	VRS-CY1JB101J	AA			100 ohm,1/16W
R407	VRS-CY1JB273J	AA			27 kohms,1/16W
R407A	VRS-CY1JB273J	AA			27 kohms,1/16W
R408	VRS-CY1JB333J	AA			33 kohms,1/16W
R409	VRS-CY1JB273J	AA			27 kohms,1/16W
R409A	VRD-ST2CD273J	AA			27 kohms,1/6W
R410	VRS-CY1JB333J	AA			33 kohms,1/16W
R411	VRD-ST2CD153J	AA			15 kohms,1/6W
R412	VRS-CY1JB101J	AA			100 ohm,1/16W
R414	VRS-CY1JB102J	AA			1 kohm,1/16W
R415	VRS-CY1JB104J	AA			100 kohm,1/16W
R423	VRS-CY1JB103J	AA			10 kohm,1/16W
R424	VRS-CY1JB103J	AA			10 kohm,1/16W
R425	VRS-CY1JB102J	AA			1 kohm,1/16W
R426	VRS-CY1JB102J	AA			1 kohm,1/16W
R428	VRS-CY1JB104J	AA			100 kohm,1/16W
R433	VRS-CY1JB333J	AA			33 kohms,1/16W
R434	VRS-CY1JB101J	AA			100 ohm,1/16W
R435	VRD-ST2CD153J	AA			15 kohms,1/6W
R436	VRS-CY1JB273J	AA			27 kohms,1/16W
R436A	VRD-ST2CD273J	AA			27 kohms,1/6W
R437	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R440	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R441	VRS-CY1JB273J	AA			27 kohms,1/16W
R441A	VRS-CY1JB273J	AA			27 kohms,1/16W
R442	VRS-CY1JB333J	AA			33 kohms,1/16W
R443	VRS-CY1JB101J	AA			100 ohm,1/16W
R444	VRD-ST2CD153J	AA			15 kohms,1/6W
R445	VRS-CY1JB104J	AA			100 kohm,1/16W
R447	VRS-CY1JB102J	AA			1 kohm,1/16W
R448	VRS-CY1JB103J	AA			10 kohm,1/16W
R449	VRS-CY1JB103J	AA			10 kohm,1/16W
R450	VRS-CY1JB102J	AA			1 kohm,1/16W
R451	VRS-CY1JB103J	AA			10 kohm,1/16W
R452	VRS-CY1JB104J	AA			100 kohm,1/16W
R456	VRS-CY1JB333J	AA			33 kohms,1/16W
R457	VRS-CY1JB101J	AA			100 ohm,1/16W
R458	VRD-ST2CD153J	AA			15 kohms,1/6W
R459	VRS-CY1JB273J	AA			27 kohms,1/16W
R459A	VRS-CY1JB273J	AA			27 kohms,1/16W
R460	VRD-ST2CD334J	AA			330 kohms,1/6W
R461	VRS-CY1JB273J	AA			27 kohms,1/16W
R461A	VRD-ST2CD273J	AA			27 kohms,1/6W
R462	VRS-CY1JB683J	AA			68 kohms,1/16W
R463	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R465	VRD-ST2CD153J	AA			15 kohms,1/6W
R466	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R467	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R468	VRS-CY1JB102J	AA			1 kohm,1/16W
R470	VRS-CY1JB563J	AA			56 kohms,1/16W
R471	VRD-ST2CD563J	AA			56 kohms,1/6W
R472	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R473	VRS-CY1JB563J	AA			56 kohms,1/16W
R474	VRS-CY1JB563J	AA			56 kohms,1/16W
R475	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R475A	VRD-ST2CD103J	AA			10 kohm,1/6W
R477	VRS-CY1JB104J	AA			100 kohm,1/16W
R487	VRS-CY1JB104J	AA			100 kohm,1/16W
R489	VRD-ST2CD102J	AA			1 kohm,1/6W
R490	VRD-ST2CD102J	AA			1 kohm,1/6W
R491	VRD-ST2CD102J	AA			1 kohm,1/6W
R492	VRD-ST2CD102J	AA			1 kohm,1/6W
R493	VRD-ST2CD102J	AA			1 kohm,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R494	VRD-ST2CD102J	AA			1 kohm,1/6W
R501	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R502	VRS-CY1JB273J	AA			27 kohms,1/16W
R502A	VRS-CY1JB273J	AA			27 kohms,1/16W
R503	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R504	VRS-CY1JB303J	AA			30 kohms,1/16W
R505	VRS-CY1JB100J	AA			10 ohm,1/16W
R506	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R507	VRS-CY1JB273J	AA			27 kohms,1/16W
R507A	VRS-CY1JB273J	AA			27 kohms,1/16W
R508	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R509	VRS-CY1JB124J	AA			120 kohms,1/16W
R510	VRS-CY1JB100J	AA			10 ohm,1/16W
R510A	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R510B	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R510C	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R510D	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R511	VRS-CY1JB103J	AA			10 kohm,1/16W
R512	VRS-CY1JB103J	AA			10 kohm,1/16W
R513	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R514	VRS-CY1JB273J	AA			27 kohms,1/16W
R514A	VRS-CY1JB273J	AA			27 kohms,1/16W
R515	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R516	VRS-CY1JB303J	AA			30 kohms,1/16W
R517	VRS-CY1JB100J	AA			10 ohm,1/16W
R518	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R519	VRS-CY1JB273J	AA			27 kohms,1/16W
R519A	VRS-CY1JB273J	AA			27 kohms,1/16W
R520	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R521	VRS-CY1JB303J	AA			30 kohms,1/16W
R522	VRS-CY1JB100J	AA			10 ohm,1/16W
R523	VRS-CY1JB103J	AA			10 kohm,1/16W
R524	VRS-CY1JB103J	AA			10 kohm,1/16W
R525	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R526	VRS-CY1JB273J	AA			27 kohms,1/16W
R526A	VRS-CY1JB273J	AA			27 kohms,1/16W
R527	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R528	VRS-CY1JB303J	AA			30 kohms,1/16W
R529	VRS-CY1JB100J	AA			10 ohm,1/16W
R530	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R531	VRS-CY1JB273J	AA			27 kohms,1/16W
R531A	VRS-CY1JB273J	AA			27 kohms,1/16W
R532	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R533	VRS-CY1JB303J	AA			30 kohms,1/16W
R534	VRS-CY1JB100J	AA			10 ohm,1/16W
R535	VRS-CY1JB103J	AA			10 kohm,1/16W
R536	VRS-CY1JB103J	AA			10 kohm,1/16W
R537	VRS-CY1JB103J	AA			10 kohm,1/16W
R538	VRS-CY1JB473J	AA			47 kohms,1/16W
R539	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R539A	VRS-CY1JB273J	AA			27 kohms,1/16W
R540	VRS-CY1JB271J	AA			270 ohms,1/16W
R541	VRS-CY1JB103J	AA			10 kohm,1/16W
R541A	VRS-CY1JB273J	AA			27 kohms,1/16W
R542	VRS-CY1JB104J	AA			100 kohm,1/16W
R542A	VRS-CY1JB273J	AA			27 kohms,1/16W
R543	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R543A	VRS-CY1JB273J	AA			27 kohms,1/16W
R544	VRS-CY1JB103J	AA			10 kohm,1/16W
R545	VRS-CY1JB103J	AA			10 kohm,1/16W
R546	VRS-CY1JB221J	AA			220 ohms,1/16W
R547	VRS-CY1JB104J	AA			100 kohm,1/16W
R548	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R549	VRS-CY1JB104J	AA			100 kohm,1/16W
R550	VRS-CY1JB104J	AA			100 kohm,1/16W
R551	VRS-CY1JB104J	AA			100 kohm,1/16W
R552	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R553	VRD-ST2CD473J	AA			47 kohms,1/6W
R554	VRS-CY1JB103J	AA			10 kohm,1/16W
R555	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R556	VRS-CY1JB473J	AA			47 kohms,1/16W
R557	VRS-CY1JB103J	AA			10 kohm,1/16W
R559	VRS-CY1JB102J	AA			1 kohm,1/16W
R561	VRS-CY1JB102J	AA			1 kohm,1/16W
R562	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R564	VRS-CY1JB223J	AA			22 kohms,1/16W
R565	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R566	VRS-CY1JB102J	AA			1 kohm,1/16W
R567	VRS-CY1JB102J	AA			1 kohm,1/16W
R568	VRD-ST2CD102J	AA			1 kohm,1/6W
R569	VRS-CY1JB223J	AA			22 kohms,1/16W
R571	VRS-CY1JB473J	AA			47 kohms,1/16W
R572	VRS-CY1JB103J	AA			10 kohm,1/16W
R573	VRS-CY1JB273J	AA			27 kohms,1/16W
R574	VRS-CY1JB273J	AA			27 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R575	VRS-CY1JB273J	AA			27 kohms,1/16W
R576	VRS-CY1JB273J	AA			27 kohms,1/16W
R577	VRS-CY1JB103J	AA			10 kohm,1/16W
R578	VRS-CY1JB103J	AA			10 kohm,1/16W
R579	VRS-CY1JB103J	AA			10 kohm,1/16W
R581	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R582	VRS-CY1JB750J	AA			75 ohms,1/16W
R584	VRS-CY1JB750J	AA			75 ohms,1/16W
R585	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R586	VRD-ST2CD103J	AA			10 kohm,1/6W
R587	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R588	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R589	VRD-ST2CD104J	AA			100 kohm,1/6W
R590	VRD-ST2CD103J	AA			10 kohm,1/6W
R590A	VRS-CY1JB273J	AA			27 kohms,1/16W
R590B	VRS-CY1JB183J	AA			18 kohms,1/16W
R590C	VRS-CY1JB273J	AA			27 kohms,1/16W
R590D	VRS-CY1JB273J	AA			27 kohms,1/16W
R590E	VRS-CY1JB273J	AA			27 kohms,1/16W
R591	VRD-ST2CD104J	AA			100 kohm,1/6W
R592	VRD-ST2CD102J	AA			1 kohm,1/6W
R593	VRD-ST2CD121J	AA			120 ohms,1/6W
R594	VRD-ST2CD560J	AA			56 ohms,1/6W
R595	VRS-CY1JB102J	AA			1 kohm,1/16W
R595A	VRS-CY1JB102J	AA			1 kohm,1/16W
R596	VRS-CY1JB102J	AA			1 kohm,1/16W
R597	VRS-CY1JB473J	AA			47 kohms,1/16W
R601	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R602	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R604	VRS-CY1JB103J	AA			10 kohm,1/16W
R605	VRS-CY1JB104J	AA			100 kohm,1/16W
R606	VRS-CY1JB820J	AA			82 ohms,1/16W
R607	VRS-CY1JB820J	AA			82 ohms,1/16W
R608	VRS-CY1JB104J	AA			100 kohm,1/16W
R609	VRS-CY1JB820J	AA			82 ohms,1/16W
R610	VRS-CY1JB820J	AA			82 ohms,1/16W
R611	VRS-CY1JB823J	AA			82 kohms,1/16W
R612	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R613	VRS-CY1JB823J	AA			82 kohms,1/16W
R614	VRD-ST2CD272J	AA			2.7 kohms,1/6W
R615	VRS-CY1JB273J	AA			27 kohms,1/16W
R615A	VRS-CY1JB273J	AA			27 kohms,1/16W
R616	VRD-ST2CD273J	AA			27 kohms,1/6W
R616A	VRS-CY1JB273J	AA			27 kohms,1/16W
R617	VRS-CY1JB102J	AA			1 kohm,1/16W
R618	VRD-ST2CD101J	AA			100 ohm,1/6W
R619	VRS-CY1JB102J	AA			1 kohm,1/16W
R627	VRD-ST2CD101J	AA			100 ohm,1/6W
R629	VRD-ST2CD101J	AA			100 ohm,1/6W
R630	VRD-ST2CD101J	AA			100 ohm,1/6W
R684	VRS-CY1JB202J	AA			2 kohms,1/16W
R687	VRS-CY1JB681J	AA			680 ohms,1/16W
R688	VRS-CY1JB103J	AA			10 kohm,1/16W
R689	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R699	VRS-CY1JB103J	AA			10 kohm,1/16W
R700	VRS-CY1JB102J	AA			1 kohm,1/16W
R701	VRS-CY1JB102J	AA			1 kohm,1/16W
R702	VRS-CY1JB103J	AA			10 kohm,1/16W
R703	VRD-ST2CD102J	AA			1 kohm,1/6W
R704	VRD-ST2CD103J	AA			10 kohm,1/6W
R705	VRD-ST2CD102J	AA			1 kohm,1/6W
R706	VRD-ST2CD103J	AA			10 kohm,1/6W
R707	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R708	VRD-ST2CD102J	AA			1 kohm,1/6W
R709	VRD-ST2CD102J	AA			1 kohm,1/6W
R710	VRD-ST2CD102J	AA			1 kohm,1/6W
R712	VRD-ST2CD102J	AA			1 kohm,1/6W
R713	VRD-ST2CD102J	AA			1 kohm,1/6W
R714	VRD-ST2CD102J	AA			1 kohm,1/6W
R715	VRD-ST2CD102J	AA			1 kohm,1/6W
R716	VRS-CY1JB102J	AA			1 kohm,1/16W
R718	VRD-ST2CD102J	AA			1 kohm,1/6W
R719	VRS-CY1JB103J	AA			10 kohm,1/16W
R720	VRD-ST2CD102J	AA			1 kohm,1/6W
R721	VRD-ST2CD102J	AA			1 kohm,1/6W
R722	VRD-ST2CD102J	AA			1 kohm,1/6W
R723	VRD-ST2CD102J	AA			1 kohm,1/6W
R724	VRD-ST2CD102J	AA			1 kohm,1/6W
R725	VRD-ST2CD102J	AA			1 kohm,1/6W
R727	VRD-ST2CD102J	AA			1 kohm,1/6W
R728	VRD-ST2CD102J	AA			1 kohm,1/6W
R729	VRD-ST2CD102J	AA			1 kohm,1/6W
R730	VRD-ST2CD103J	AA			10 kohm,1/6W
R731	VRD-ST2CD102J	AA			1 kohm,1/6W
R732	VRD-ST2CD102J	AA			1 kohm,1/6W

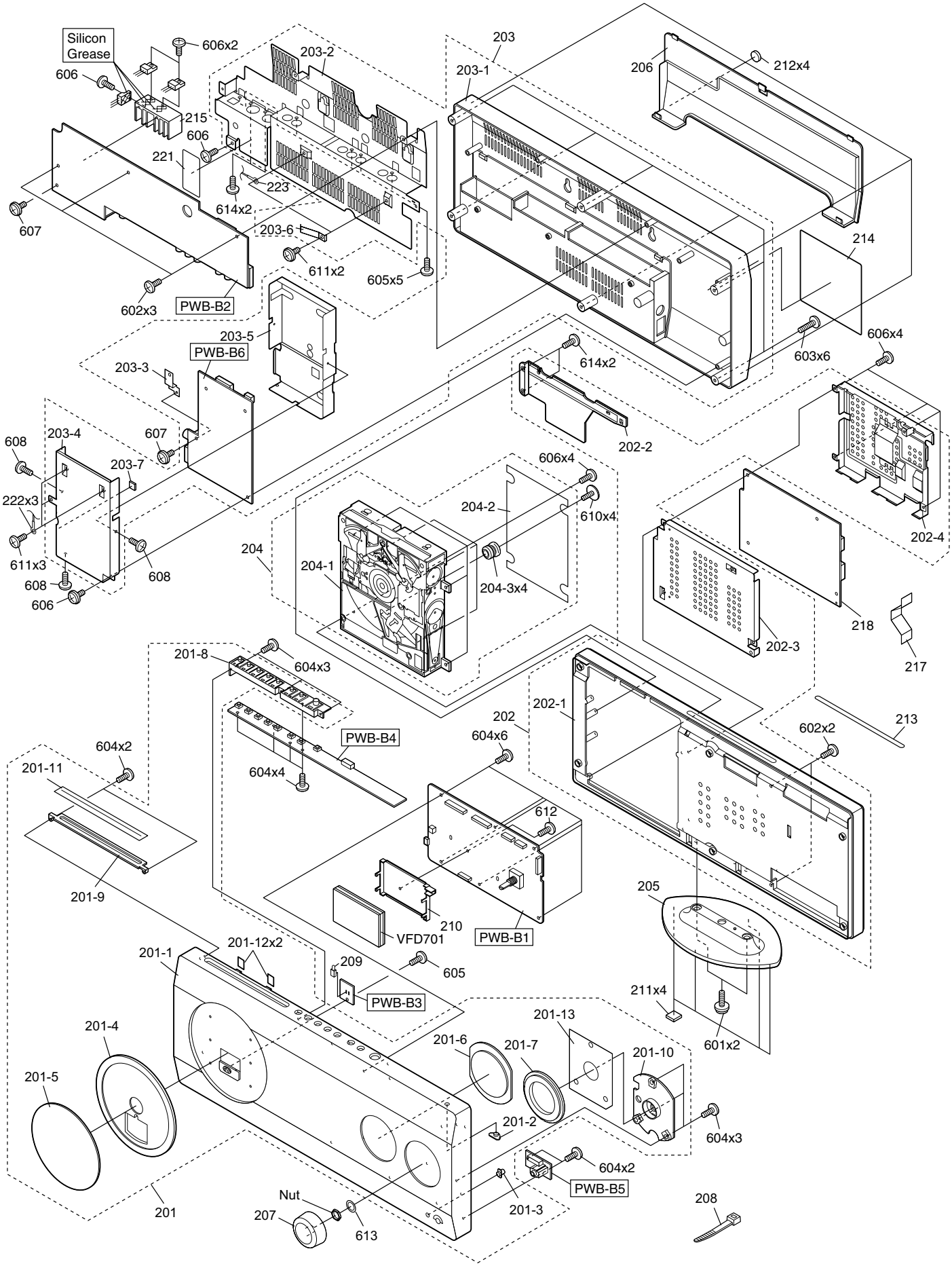
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R734	VRS-CY1JB103J	AA			10 kohm,1/16W
R735	VRD-ST2CD103J	AA			10 kohm,1/6W
R735A	VRD-ST2CD103J	AA			10 kohm,1/6W
R735B	VRD-ST2CD103J	AA			10 kohm,1/6W
R736	VRD-ST2CD102J	AA			1 kohm,1/6W
R737	VRS-CY1JB102J	AA			1 kohm,1/16W
R738	VRD-ST2CD102J	AA			1 kohm,1/6W
R739	VRD-ST2CD102J	AA			1 kohm,1/6W
R740	VRS-CY1JB102J	AA			1 kohm,1/16W
R741	VRS-CY1JB106J	AA			10 Mohm,1/16W
R742	VRS-CY1JB103J	AA			10 kohm,1/16W
R743	VRS-CY1JB103J	AA			10 kohm,1/16W
R744	VRS-CY1JB103J	AA			10 kohm,1/16W
R745	VRD-ST2CD103J	AA			10 kohm,1/6W
R746	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R747	VRD-ST2CD102J	AA			1 kohm,1/6W
R748	VRD-ST2CD102J	AA			1 kohm,1/6W
R749	VRD-ST2CD102J	AA			1 kohm,1/6W
R750	VRS-CY1JB102J	AA			1 kohm,1/16W
R751	VRS-CY1JB102J	AA			1 kohm,1/16W
R752A	VRS-CY1JB823J	AA			82 kohms,1/16W
R752B	VRS-CY1JB823J	AA			82 kohms,1/16W
R752C	VRS-CY1JB823J	AA			82 kohms,1/16W
R752D	VRS-CY1JB823J	AA			82 kohms,1/16W
R752E	VRS-CY1JB823J	AA			82 kohms,1/16W
R752F	VRS-CY1JB823J	AA			82 kohms,1/16W
R752G	VRS-CY1JB823J	AA			82 kohms,1/16W
R752H	VRS-CY1JB823J	AA			82 kohms,1/16W
R752i	VRS-CY1JB823J	AA			82 kohms,1/16W
R752J	VRS-CY1JB823J	AA			82 kohms,1/16W
R752K	VRS-CY1JB823J	AA			82 kohms,1/16W
R752L	VRS-CY1JB823J	AA			82 kohms,1/16W
R752M	VRS-CY1JB823J	AA			82 kohms,1/16W
R752N	VRS-CY1JB823J	AA			82 kohms,1/16W
R752P	VRS-CY1JB823J	AA			82 kohms,1/16W
R752Q	VRS-CY1JB823J	AA			82 kohms,1/16W
R752R	VRS-CY1JB823J	AA			82 kohms,1/16W
R752S	VRS-CY1JB823J	AA			82 kohms,1/16W
R752T	VRS-CY1JB823J	AA			82 kohms,1/16W
R752U	VRS-CY1JB823J	AA			82 kohms,1/16W
R753A	VRS-CY1JB823J	AA			82 kohms,1/16W
R753B	VRS-CY1JB823J	AA			82 kohms,1/16W
R753C	VRS-CY1JB823J	AA			82 kohms,1/16W
R753D	VRS-CY1JB823J	AA			82 kohms,1/16W
R753E	VRS-CY1JB823J	AA			82 kohms,1/16W
R753F	VRS-CY1JB823J	AA			82 kohms,1/16W
R753G	VRS-CY1JB823J	AA			82 kohms,1/16W
R753H	VRS-CY1JB823J	AA			82 kohms,1/16W
R753i	VRS-CY1JB823J	AA			82 kohms,1/16W
R753J	VRS-CY1JB823J	AA			82 kohms,1/16W
R753K	VRS-CY1JB823J	AA			82 kohms,1/16W
R753L	VRS-CY1JB823J	AA			82 kohms,1/16W
R753M	VRS-CY1JB823J	AA			82 kohms,1/16W
R753N	VRS-CY1JB823J	AA			82 kohms,1/16W
R753P	VRS-CY1JB823J	AA			82 kohms,1/16W
R753Q	VRS-CY1JB823J	AA			82 kohms,1/16W
R753R	VRS-CY1JB823J	AA			82 kohms,1/16W
R753S	VRS-CY1JB823J	AA			82 kohms,1/16W
R753T	VRS-CY1JB823J	AA			82 kohms,1/16W
R753U	VRS-CY1JB823J	AA			82 kohms,1/16W
R754	VRD-ST2CD103J	AA			10 kohm,1/6W
R755	VRS-CY1JB102J	AA			1 kohm,1/16W
R756	VRD-ST2CD102J	AA			1 kohm,1/6W
R757	VRS-CY1JB391J	AA			390 ohms,1/16W
R758	VRS-CY1JB471J	AA			470 ohms,1/16W
R759	VRS-CY1JB471J	AA			470 ohms,1/16W
R760A	VRD-ST2EE470J	AA			47 ohms,1/4W
R760B	VRD-ST2EE470J	AA			47 ohms,1/4W
R761	VRD-ST2CD102J	AA			1 kohm,1/6W
R762	VRS-CY1JB102J	AA			1 kohm,1/16W
R763	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R764	VRD-ST2CD104J	AA			100 kohm,1/6W
R765	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R766	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R767	VRD-ST2CD102J	AA			1 kohm,1/6W
R768	VRS-CY1JB103J	AA			10 kohm,1/16W
R769	VRS-CY1JB102J	AA			1 kohm,1/16W
R770	VRD-ST2CD102J	AA			1 kohm,1/6W
R772	VRS-CY1JB103J	AA			10 kohm,1/16W
R774	VRS-CY1JB473J	AA			47 kohms,1/16W
R775	VRD-ST2CD820J	AA			82 ohms,1/6W
R776	VRS-CY1JB102J	AA			1 kohm,1/16W
R777	VRS-CY1JB103J	AA			10 kohm,1/16W
R778	VRS-CY1JB103J	AA			10 kohm,1/16W
R779	VRS-CY1JB121J	AA			120 ohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R780	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R781	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R782	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R783	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R784	VRS-CY1JB223J	AA			22 kohms,1/16W
R785	VRS-CY1JB223J	AA			22 kohms,1/16W
R786	VRS-CY1JB391J	AA			390 ohms,1/16W
R787	VRD-ST2EE221J	AA			220 ohms,1/4W
R788	VRS-CY1JB103J	AA			10 kohm,1/16W
R789	VRS-CY1JB103J	AA			10 kohm,1/16W
R790	VRS-CY1JB103J	AA			10 kohm,1/16W
R791	VRD-ST2CD102J	AA			1 kohm,1/6W
R792	VRS-CY1JB103J	AA			10 kohm,1/16W
R793	VRD-ST2CD102J	AA			1 kohm,1/6W
R794A	VRS-CY1JB680J	AA			68 ohms,1/16W
R795A	VRS-CY1JB680J	AA			68 ohms,1/16W
R797	VRD-ST2CD103J	AA			10 kohm,1/6W
R808	VRS-CY1JB103J	AA			10 kohm,1/16W
R829	VRS-CY1JB563J	AA			56 kohms,1/16W
R831	VRD-ST2CD104J	AA			100 kohm,1/6W
R832	VRS-CY1JB104J	AA			100 kohm,1/16W
R833	VRS-CY1JB104J	AA			100 kohm,1/16W
R834	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R835	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R836	VRD-ST2CD101J	AA			100 ohm,1/6W
R838	VRS-CY1JB104J	AA			100 kohm,1/16W
R839	VRS-CY1JB104J	AA			100 kohm,1/16W
R840	VRS-CY1JB104J	AA			100 kohm,1/16W
R841	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R842	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R843	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R848	VRS-CY1JB563J	AA			56 kohms,1/16W
R850	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R856	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R859	VRS-CY1JB473J	AA			47 kohms,1/16W
R860	VRD-ST2CD821J	AA			820 ohms,1/6W
R861	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R862	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R862A	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R863	VRS-CY1JB103J	AA			10 kohm,1/16W
R863A	VRS-CY1JB103J	AA			10 kohm,1/16W
R864	VRD-ST2CD223J	AA			22 kohms,1/6W
R864A	VRD-ST2CD223J	AA			22 kohms,1/6W
R865	VRD-ST2CD474J	AA			470 kohms,1/6W
R865A	VRD-ST2CD474J	AA			470 kohms,1/6W
R866	VRS-CY1JB273J	AA			27 kohms,1/16W
R866A	VRS-CY1JB273J	AA			27 kohms,1/16W
R867	VRD-ST2EE330J	AA			33 ohms,1/4W
R867A	VRD-ST2EE330J	AA			33 ohms,1/4W
R868	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R868A	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R869	VRD-ST2CD102J	AA			1 kohm,1/6W
R869A	VRD-ST2CD102J	AA			1 kohm,1/6W
R870	VRS-CY1JB104J	AA			100 kohm,1/16W
R895	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R896	VRS-CY1JB103J	AA			10 kohm,1/16W
R897	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R898	VRS-CY1JB103J	AA			10 kohm,1/16W
R899	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R900	VRS-CY1JB103J	AA			10 kohm,1/16W
R901	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R902	VRS-CY1JB103J	AA			10 kohm,1/16W
R908	VRS-CY1JB103J	AA			10 kohm,1/16W
R909	VRD-ST2CD390J	AA			39 ohms,1/6W
R914	VRD-RT2HDR20J				0.2 ohms,1/2W
R915	VRS-CY1JB123J	AA			12 kohms,1/16W
R917	VRD-RT2HDR20J				0.2 ohms,1/2W
R918	VRS-CY1JB123J	AA			12 kohms,1/16W
R919	VRS-CY1JB622J	AA			6.2 kohms,1/16W
R922	VRS-CY1JB622J	AA			6.2 kohms,1/16W
R923	VRD-RT2HDR20J				0.2 ohms,1/2W
R924	VRS-CY1JB123J	AA			12 kohms,1/16W
R925	VRD-RT2HDR20J				0.2 ohms,1/2W
R926	VRS-CY1JB622J	AA			6.2 kohms,1/16W
R927	VRS-CY1JB123J	AA			12 kohms,1/16W
R928	VRD-RT2HDR20J				0.2 ohms,1/2W
R930	VRS-CY1JB622J	AA			6.2 kohms,1/16W
R931	VRS-CY1JB123J	AA			12 kohms,1/16W
R932	VRS-CY1JB123J	AA			12 kohms,1/16W
R933	VRS-CY1JB622J	AA			6.2 kohms,1/16W
R934	VRD-RT2HDR20J				0.2 ohms,1/2W
R936	VRS-CY1JB622J	AA			6.2 kohms,1/16W
R938	VRS-CY1JB561J	AA			560 ohms,1/16W
R941	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R942	VRD-ST2CD681J	AA			680 ohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R943	VRD-ST2CD223J	AA			22 kohms,1/6W
R944	VRS-CY1JB223J	AA			22 kohms,1/16W
R945	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R946	VRS-CY1JB103J	AA			10 kohm,1/16W
R949	VRS-CY1JB103J	AA			10 kohm,1/16W
R950	VRS-CY1JB103J	AA			10 kohm,1/16W
R951	VRS-CY1JB103J	AA			10 kohm,1/16W
R952	VRD-ST2EE100J	AA			10 ohm,1/4W
R953	VRS-CY1JB103J	AA			10 kohm,1/16W
R954	VRS-CY1JB103J	AA			10 kohm,1/16W
R955	VRS-CY1JB103J	AA			10 kohm,1/16W
R956	VRS-CY1JB103J	AA			10 kohm,1/16W
R957	VRD-ST2EE100J	AA			10 ohm,1/4W
R958	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R959	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R960	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R961	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R962	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R963	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R964	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R965	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R966	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R967	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R968	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R969	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R970	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R971	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R972	VRS-CY1JB102J	AA			1 kohm,1/16W
R973	VRS-CY1JB102J	AA			1 kohm,1/16W
R974	VRS-CY1JB102J	AA			1 kohm,1/16W
R975	VRS-CY1JB101J	AA			100 ohm,1/16W
R976	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R977	VRS-CY1JB183D	AA			18 kohms,1/16W
R978	VRS-CY1JB183D	AA			18 kohms,1/16W
R979	VRS-CY1JB183D	AA			18 kohms,1/16W
R980	VRS-CY1JB183D	AA			18 kohms,1/16W
R981	VRS-CY1JB124D	AA			120 kohms,1/16W
R982	VRS-CY1JB103J	AA			10 kohm,1/16W
R983	VRD-ST2EE121J	AA			120 ohms,1/4W
R984	VRD-ST2EE121J	AA			120 ohms,1/4W
R985	VRD-ST2HD475J	AA			4.7 Mohms,1/2W
[12] OTHER CIRCUITRY PARTS					
Bi203	QCNWNA193SJZZ	AE			Connector Ass'y,3/2Pin with CNS203
Bi205	QCNWNA196SJZZ	AD			Connector Ass'y,4Pin
Bi302	QCNWNA197SJZZ	AE			Connector Ass'y,7/7Pin with CNS302
Bi401	QCNWNA194SJZZ	AK			Connector Ass'y,11/10Pin with CNS401
Bi402	QCNWNA195SJZZ	AK			Connector Ass'y,15/5/9Pin with CNS402A/402B
Bi501	QCNWNA188SJZZ	AK			Connector Ass'y,9/9Pin with CNS501
Bi502	QCNWNA189SJZZ	AH			Connector Ass'y,7/7Pin with CNS502
Bi503	QCNWNA190SJZZ	AK			Connector Ass'y,10/10Pin with CNS503
Bi506	QCNWNA191SJZZ	AG			Connector Ass'y,5/5Pin with CNS506
CFW1	QCNWNA230SJZZ	AB			Connector Ass'y,1Pin
CFW2	QCNWNA229SJZZ	AC			Connector Ass'y,1Pin
CFW3	QCNWNA231SJZZ	AB			Connector Ass'y,1Pin
CFW4	QCNWNA227SJZZ	AC			Connector Ass'y,1Pin
CFW5	QCNWNA227SJZZ	AC			Connector Ass'y,1Pin
CFW6	QCNWNA228SJZZ	AC			Connector Ass'y,1Pin
CFW6A	QCNWNA226SJZZ	AC			Connector Ass'y,1Pin
CFW9	QCNWNA228SJZZ	AC			Connector Ass'y,1Pin
CNP201	QCNCM017BSJZZ	AD			Plug,3Pin
CNP202	QCNCM017CSJZZ	AC			Plug,3Pin
CNP203	QCNCM017BSJZZ	AD			Plug,2Pin
CNP204	QCNCM998DAFZZ	AB			Plug,4Pin
CNP205	QCNCM004DSJZZ	AB			Plug,4Pin
CNP206	QCNCM052CSJZZ	AB			Plug,3Pin
CNP301	QCNCM004DSJZZ	AB			Plug,4Pin
CNP302	QCNCM004GSJZZ				Plug,7Pin
CNP401	QCNCM998NAFZZ	AG			Plug,13Pin
CNP402A	QCNCM999EAFZZ	AG			Plug,5Pin
CNP402B	QCNCM999JAFZZ	AC			Plug,9Pin
CNP609	QCNCM004FSJZZ	AB			Plug,6Pin
CNP702	QCNCM004MSJZZ	AC			Plug,12Pin
CNP704	QCNCM004NSJZZ	AC			Plug,13Pin
CNP705	QCNCMA013SJ07	AC			Plug,7Pin
CNP706	QCNWNA032SJZZ	AE			Plug,7Pin
CNP707	QCNCM004BSJZZ	AB			Plug,2Pin
CNW301	QCNWNA311SJZZ				Connector Ass'y,4/4Pin
CNW508A/	QCNWNA192SJZZ	AF			Connector Ass'y,12/12Pin
CNW609	QCNWNA198SJZZ	AE			Connector Ass'y,6/6Pin
CNW702	QCNWNA212SJZZ	AG			Connector Ass'y,12/12Pin
CNW703	QCNWNA232SJZZ	AE			Connector Ass'y,7/7Pin

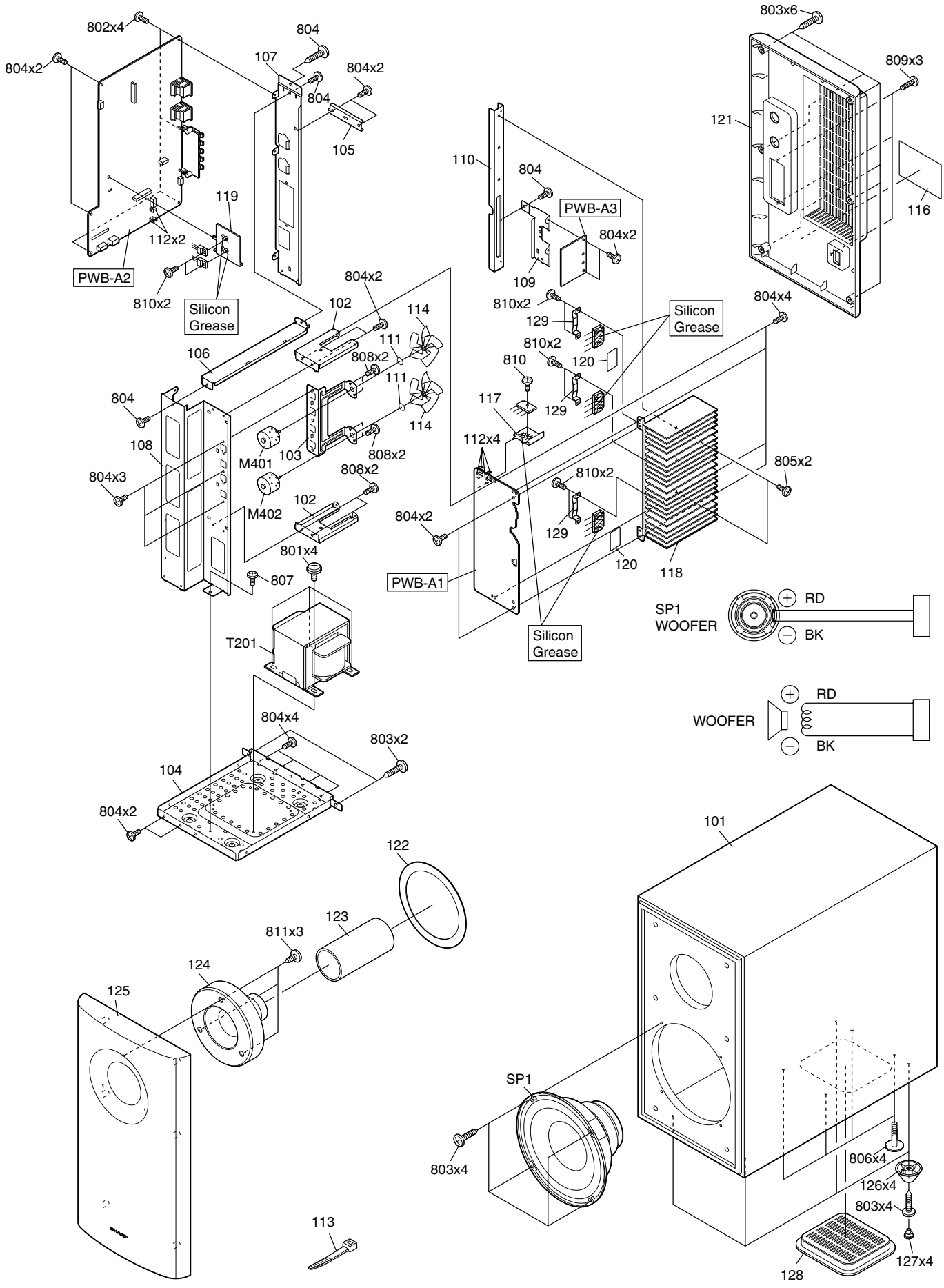
	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[12] OTHER CIRCUITRY PARTS					
	CNW704	QCNWNA213SJZZ	AG			Connector Ass'y,13/13Pin
	CNW705	QCNWNA199SJZZ	AE			Connector Ass'y,7/7Pin
	CNW707	QCNWNA200SJZZ	AC			Connector Ass'y,2/2Pin
⚠	F101	QFS-D632BSJNi	AC			Fuse,6.3A/125V
⚠	F102	QFS-D632BSJNi	AC			Fuse,6.3A/125V
⚠	F201	QFS-D202BSJNi	AB			Fuse,2A/125V
	JK1	QJAKMA002SJZZ	AE			Jack,Headphones
	M401	RMOTV0409AFZZ	AL			Fan Motor
	M402	RMOTV0409AFZZ	AL			Fan Motor
	RLY400	RRLYD0004SJZZ	AG			Relay
	RLY401	RRLYDA002AWZZ	AF			Relay
	RLY402	RRLYDA002AWZZ	AF			Relay
	RLY403	RRLYDA002AWZZ	AF			Relay
	RX701	VHLGP1UD261-1	AK			Remote Sensor,GP1UD261
	RX702	VHLGP1UD261-1	AK			Remote Sensor,GP1UD261
	S101A	QCNCWA030SJZZ	AG			Socket,System Cable 1
	S101B	QCNCWA030SJZZ	AG			Socket,System Cable 2
	S102A	QCNCWA028SJZZ	AG			Socket,System Cable 1
	S102B	QCNCWA028SJZZ	AG			Socket,System Cable 2
	S501	QSOCJA005SJZZ	AE			Jack,AUX In
	S503	VHPBFRX1001-1	AM			Digital In
	S504	QSOCJ0003SJZZ	AG			Socket,Video Out
	S505	QSOCZA006SJZZ				Socket,Component Video Out
	SO202	QSOCA0214AWZZ	AD			Socket AC Input
	SO301	QTANCA001SJZZ	AD			Terminal,FM Antenna Terminal
	SO302	QTANCA002SJZZ	AC			Terminal,AM Antenna Terminal
	SO401	QTANAA005SJZZ	AF			Terminal,Speaker
	SW700	QSW-ZA002SJZZ	AF			Jog Volume
	SW701	QSW-K0002SJZZ	AC			Switch,Key Type [Power]
	SW702	QSW-K0002SJZZ	AC			Switch,Key Type [Play]
	SW703	QSW-K0002SJZZ	AC			Switch,Key Type [Stop]
	SW704	QSW-K0002SJZZ	AC			Switch,Key Type [Eject]
	SW705	QSW-K0002SJZZ	AC			Switch,Key Type [Tuner]
	SW706	QSW-K0002SJZZ	AC			Switch,Key Type [Function]
	SW707	QSW-K0002SJZZ	AC			Switch,Key Type [Preset Up]
	SW708	QSW-K0002SJZZ	AC			Switch,Key Type [Preset Down]
	VFD701	VVK42-1001F-1	AV			FL Display

[13] DVD UNIT PARTS



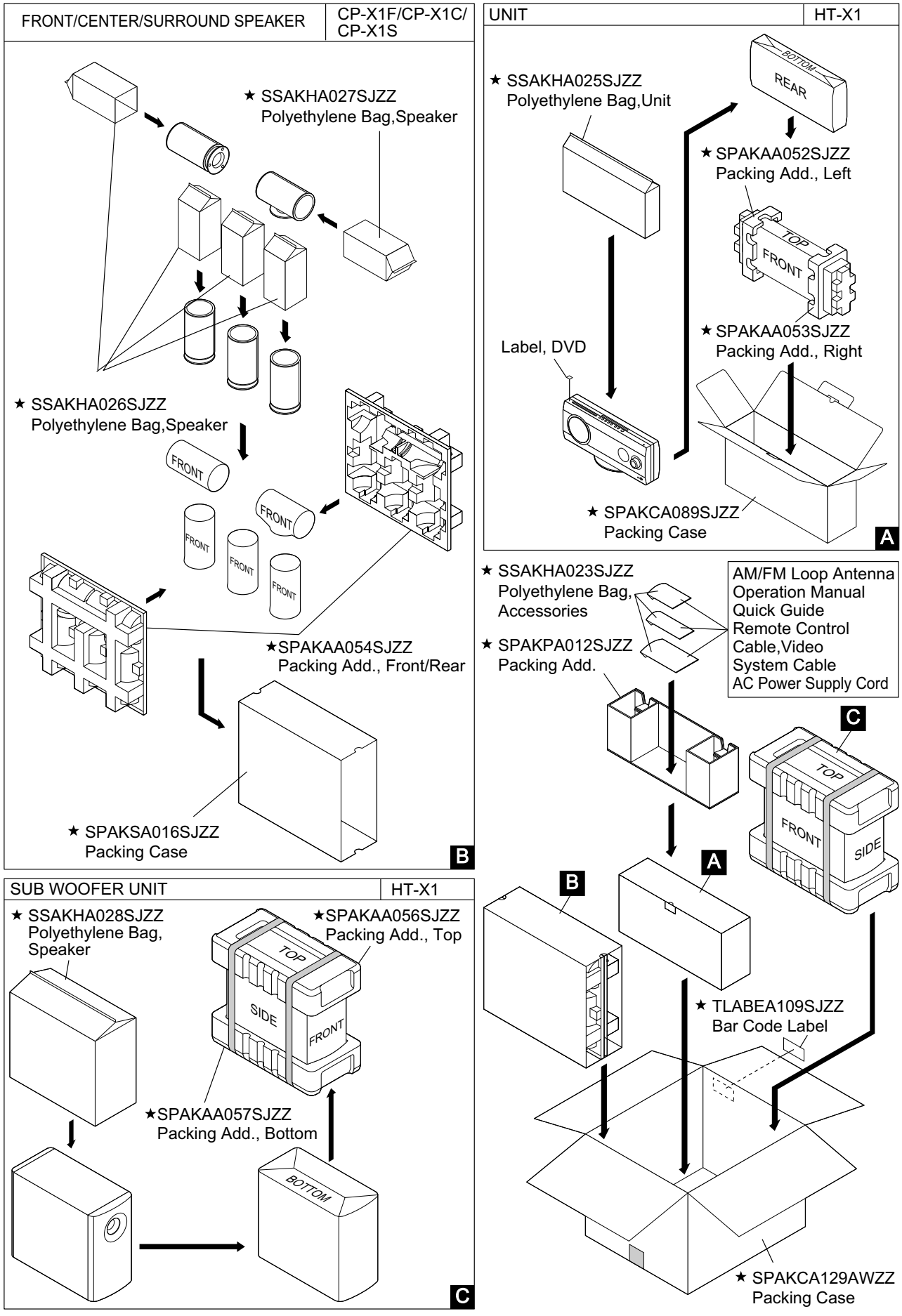
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] DVD UNIT PARTS					
201	CCABAA020SJ02				Front Panel Ass'y
201- 1	--------	-			Front Panel (Not Replacement Item)
201- 2	GCOVAA022SJSA	AC			Cover,Sensor A
201- 3	GCOVAA030SJSA	AC			Cover,Sensor B
201- 4	HDECQA062SJSA	AH			DVD Decoration Window
201- 5	HDECQA064SJSA	AF			DVD Decoration Cover
201- 6	HDECQA065SJSA	AE			Display Window
201- 7	HDECQA066SJSA	AE			Jog Volume Window
201- 8	JKNBKA005SJSA	AD			Button,Play
201- 9	LANGKA066SJZZ	AE			Bracket,Mechanism
201-10	PCOVZA006SJZZ	AC			Cover,Jog Volume
201-11	PSHEPA005SJZZ	AF			Sheet,DVD Door
201-12	PSHEFA013SJZZ				Sheet
201-13	PSLDCA001SJZZ	AD			Shield
202	CCABBA014SJ03				Center Panel Ass'y
202- 1	GCABBA014SJSA	AR			Center Panel (Not Replacement Item)
202- 2	PCOVZA008SJZZ	AD			Cover,Pick Up
202- 3	PSLDMA009SJZZ	AG			Shield,DVD PWB A
202- 4	PSLDMA012SJZZ	AH			Shield,DVD PWB A
203	CCABCA020SJ02				Rear Panel Ass'y
203- 1	--------	-			Rear Panel (Not Replacement Item)
203- 2	LANGKA092SJFW				Cover,Terminal
203- 3	LANGKA065SJZZ	AB			Bracket,Tuner
203- 4	PSLDMA007SJZZ	AG			Shield Box A
203- 5	PSLDMA008SJZZ	AG			Shield Box B
203- 6	MSPRDA011SJFW	AC			Spring
203- 7	PCUSGA010SJZZ	AB			Cushion
204	CMECBA004SJ01	BP			DVD Mechanism Ass'y
204- 1	KMECZA004SJZZ	BD			DVD Mechanism
204- 2	KRPLEA001SJZZ	BH			Complete Adjustment of CD Mechanism
204- 3	PCUSGA026SJZZ	AC			Cushion
205	GDAi-A001SJSA	AH			Bottom Support
206	GDORFA005SJSA	AL			Cover,Terminal
207	JKNBZA032SJSA	AF			Knob,Jog Volume
208	LHLDW1001SJZZ	AD			Nylon Band
209	LHLDZA039SJZZ	AB			Holder,LED
210	LHLDZA040SJZZ	AC			Holder,FL
211	PCUSGA012SJZZ	AB			Cushion,Bottom
212	PCUSGA022SJZZ	AB			Cushion,Back
213	HDECPA002SJZZ	AC			Sheet,Top
214	TSPC-A058SJZZ				Label,Specifications
215	PRDARA028SJZZ	AG			Heat Sink
217	PRDARA036SJFW	AC			Heat Sink
218	DCEKDV524SJ03				DVD Servo PWB Unit
221	TLABSA005SJZZ	AB			Label,Laser
222	QCNWNA202SJZZ				Lug
223	QCNWNA216SJZZ				Lug
601	XBPSN50P12000	AB			Screw,M5x12mm
602	XJBSN30P10000	AA			Screw,M3x10mm
603	XJBSN30P12000	AA			Screw,M3x12mm
604	XJBSN25P08000	AA			Screw,M2.5x8mm
605	XJBSN30P06000	AA			Screw,M3x6mm
606	XJBSN30P08000	AA			Screw,M3x8mm
607	LX-JZA011SJFN	AB			Screw,M3x10mm
608	XHBSN20P03000	AA			Screw,M2x3mm
610	LX-JZA007SJZZ	AC			Screw,M3x12mm
611	LX-JZA010SJFN	AB			Screw,M3x10mm
612	XJBY925P04000	AA			Screw,M2.5x8mm
613	XWHSN50-10080	AB			Washer,M2.6xM8x10mm
614	XJBSN25P10000	AA			Screw,M2.5x10mm

[14] AMP. UNIT PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[14] AMP. UNIT PARTS					
101	GBOXSA012SJSW	BE			Subwoofer Box
102	LANGKA041SJFW	AD			Bracket
103	LANGKA042SJ01	AQ			Bracket
104	LANGKA043SJFW	AK			Bracket
105	LANGKA044SJFW	AC			Bracket
106	LANGKA045SJFW	AE			Bracket
107	LANGKA046SJFW	AG			Bracket
108	LANGKA060SJFW	AL			Bracket
109	LANGKA061SJFW	AD			Bracket
110	LANGKA062SJFW	AE			Bracket
111	MSPRKA005SJFJ	AB			Spring
⚠ 112	QFSHD1013CEZZ	AB			Holder,Fuse
113	LHLDW1001SJZZ	AD			Nylon Band
114	NFANPA002SJSA	AD			Rotary Fan
116	TSPC-A089SJZZ				Label,Specifications
117	PRDARA024SJZZ	AC			Heat Sink
118	PRDARA022SJZZ	AW			Heat Sink
119	PRDARA023SJZZ	AD			Heat Sink
120	PSHEZA003SJZZ	AC			Sheet
121	GiTARA032SJSA	AQ			Rear Panel
122	PSPAGA003SJZZ	AD			Cushion
123	PDUC-A009SJSA	AG			Cushion,Duct
124	HPNLSA014SJSA	AK			Panel,Duct
125	GWAKPA011SJ01	AS			Net Frame Ass'y
126	PCUSGA024SJSA	AC			Cushion
127	PCUSGA025SJSA	AC			Leg Cushion
128	GWAKPA012SJSA	AG			Bottom Panel
129	MSPRKA001SJFW	AC			Spring,Plate
801	LX-JZA005SJFN	AB			Screw,M4x9mm
802	LX-JZA011SJFN	AB			Screw,M3x6mm
803	LX-WZA003SJF9	AB			Screw,M4x16mm
804	XHBSN30P06000	AA			Screw,M3x6mm
805	XHBSN30P10000	AA			Screw,M3x10mm
806	LX-JZA009SJFN	AB			Screw,M4x28mm
807	XHBSN30P04000	AA			Screw,M3x4mm
808	XHBSN20P03000	AA			Screw,M2x3mm
809	XJBY930P10000	AA			Screw,M4x16mm
810	XJBSN30P08000	AA			Screw,M3x8mm
811	XEBY930P08000	AB			Screw,M4x8mm
SP1	RSP-ZA004SJZZ	AS			Speaker

[15] ACCESSORIES/PACKING PARTS



	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[15] ACCESSORIES/PACKING PARTS					
		SPAKCA089SJZZ	AN			Packing Case
		TiNSSA001SJZZ				
⚠		QACCU0003SJ00	AH			AC Power Supply Cord
		QANTL0008SJZZ	AG			AM Loop Antenna
		QANTWA001SJZZ	AF			FM Antenna
		QCNWGA019SJZZ				System Cable
		RRMCGA027SJZZ	AQ			Remote Control
		SPAKAA052SJZZ	AE			Packing Add.
		SPAKAA053SJZZ	AE			Packing Add.
		SPAKPA012SJZZ	AG			Packing Add.
		TiNSEA050SJZZ	AF			Operation Manual
		SSAKHA023SJZZ	AC			Polyethylene Bag,Accessories
		TiNSEA051SJZZ	AE			Quick Guide
		SSAKHA025SJZZ	AC			Polyethylene Bag
		TCAUZA010SJZZ	AD			Sheet,Guide
		QCNWGA008SJZZ	AX			Speaker Code
		QCNWGA004SJZZ	AL			Cable,Video
		HDECPA003SJZZ	AC			Label,Button Name
		TLABZA068SJZZ				Label,Feature
		SSAKHA028SJZZ				Polyethylene Bag
		SPAKAA056SJZZ				Packing Add.
		SPAKAA057SJZZ				Packing Add.
		TLABEA109SJZZ				Label,Bar Code
		SPAKSA016SJZZ				Packing Case
		SPAKAA054SJZZ				Packing Add.
		SSAKHA026SJZZ				Polyethylene Bag
		SSAKHA027SJZZ				Polyethylene Bag
	[16] P.W.B. ASSEMBLY (Not Replacement Item)					
⚠	PWB-A	DUNTKV550SJ03	-			Amp./Power 1/Power 2 [PWB-A1~3] (Combined Ass'y)
	PWB-B	DUNTKV549SJ03	-			Display/Main/LED/Switch/Headphones/Tuner [PWB-B1~6
	[17] OTHER SERVICE PARTS					
		UDSKA0004AFZZ	AZ			CD Pickup Lens Cleaner

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PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABAA020SJ02	13-201			
CCABBA014SJ03	13-202			
CCABCA020SJ02	13-203			
CMECBA004SJ01	13-204	BP		
【 D 】				
DCEKDV524SJ03	13-218			
DUNTKV549SJ03	16-PWB-B	-		
DUNTKV550SJ03	16-PWB-A	-		
【 G 】				
GBÖXSA012SJSW	14-101	BE		
GCABBA014SJSA	13-202- 1	AR		
GCÖVAA022SJSA	13-201- 2	AC		
GCÖVAA030SJSA	13-201- 3	AC		
GDAi-A001SJSA	13-205	AH		
GDÖRFA005SJSA	13-206	AL		
GiTARA032SJSA	14-121	AQ		
GWAKPA011SJ01	14-125	AS		
GWAKPA012SJSA	14-128	AG		
【 H 】				
HDECPA002SJZZ	13-213	AC		
HDECPA003SJZZ	15-	AC		
HDECQA062SJSA	13-201- 4	AH		
HDECQA064SJSA	13-201- 5	AF		
HDECQA065SJSA	13-201- 6	AE		
HDECQA066SJSA	13-201- 7	AE		
HPNLSA014SJSA	14-124	AK		
【 J 】				
JKNBKA005SJSA	13-201- 8	AD		
JKNBZA032SJSA	13-207	AF		
【 K 】				
KMECZA004SJZZ	13-204- 1	BD		
KRPLEA001SJZZ	13-204- 2	BH		
【 L 】				
LANGKA041SJFW	14-102	AD		
LANGKA042SJ01	14-103	AQ		
LANGKA043SJFW	14-104	AK		
LANGKA044SJFW	14-105	AC		
LANGKA045SJFW	14-106	AE		
LANGKA046SJFW	14-107	AG		
LANGKA060SJFW	14-108	AL		
LANGKA061SJFW	14-109	AD		
LANGKA062SJFW	14-110	AE		
LANGKA065SJZZ	13-203- 3	AB		
LANGKA066SJZZ	13-201- 9	AE		
LANGKA092SJFW	13-203- 2			
LHLDW1001SJZZ	13-208	AD		
〃	14-113	AD		
LHLDZA039SJZZ	13-209	AB		
LHLDZA040SJZZ	13-210	AC		
LX-JZA005SJFN	14-801	AB		
LX-JZA007SJZZ	13-610	AC		
LX-JZA009SJFN	14-806	AB		
LX-JZA010SJFN	13-611	AB		
LX-JZA011SJFN	13-607	AB		
〃	14-802	AB		
LX-WZA003SJF9	14-803	AB		
【 M 】				
MSPRDA011SJFW	13-203- 6	AC		
MSPRKA001SJFW	14-129	AC		
MSPRKA005SJFJ	14-111	AB		
【 N 】				
NFANPA002SJSA	14-114	AD		
【 P 】				
PCÖVZA006SJZZ	13-201-10	AC		
PCÖVZA008SJZZ	13-202- 2	AD		
PCUSGA010SJZZ	13-203- 7	AB		
PCUSGA012SJZZ	13-211	AB		
PCUSGA022SJZZ	13-212	AB		
PCUSGA024SJSA	14-126	AC		
PCUSGA025SJSA	14-127	AC		
PCUSGA026SJZZ	13-204- 3	AC		
PDUC-A009SJSA	14-123	AG		
PRDARA022SJZZ	14-118	AW		
PRDARA023SJZZ	14-119	AD		
PRDARA024SJZZ	14-117	AC		
PRDARA028SJZZ	13-215	AG		
PRDARA036SJFW	13-217	AC		
PSHEFA013SJZZ	13-201-12			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
PSHEPA005SJZZ	13-201-11	AF		
PSHEZA003SJZZ	14-120	AC		
PSLDCA001SJZZ	13-201-13	AD		
PSLDMA007SJZZ	13-203- 4	AG		
PSLDMA008SJZZ	13-203- 5	AG		
PSLDMA009SJZZ	13-202- 3	AG		
PSLDMA012SJZZ	13-202- 4	AH		
PSPAGA003SJZZ	14-122	AD		
【 Q 】				
QACCU0003SJ00	15-2	AH		
QANTL0008SJZZ	15-	AG		
QANTWA001SJZZ	15-	AF		
QCNCM004BSJZZ	12-CNP707	AB		
QCNCM004DSJZZ	12-CNP205	AB		
〃	12-CNP301	AB		
QCNCM004FSJZZ	12-CNP609	AB		
QCNCM004GSJZZ	12-CNP302			
QCNCM004MSJZZ	12-CNP702	AC		
QCNCM004NSJZZ	12-CNP704	AC		
QCNCM017BSJZZ	12-CNP201	AD		
〃	12-CNP203	AD		
QCNCM017CSJZZ	12-CNP202	AC		
QCNCM052CSJZZ	12-CNP206	AB		
QCNCM998DAFZZ	12-CNP204	AB		
QCNCM998NAFZZ	12-CNP401	AG		
QCNCM999EAFZZ	12-CNP402A	AG		
QCNCM999JAFZZ	12-CNP402B	AC		
QCNCMA013SJ07	12-CNP705	AC		
QCNCWA028SJZZ	12-S102A	AG		
〃	12-S102B	AG		
QCNCWA030SJZZ	12-S101A	AG		
〃	12-S101B	AG		
QCNWGA004SJZZ	15-	AL		
QCNWGA008SJZZ	15-	AX		
QCNWGA019SJZZ	15-			
QCNWNA032SJZZ	12-CNP706	AE		
QCNWNA188SJZZ	12-Bi501	AK		
QCNWNA189SJZZ	12-Bi502	AH		
QCNWNA190SJZZ	12-Bi503	AK		
QCNWNA191SJZZ	12-Bi506	AG		
QCNWNA192SJZZ	12-CNW508A/	AF		
QCNWNA193SJZZ	12-Bi203	AE		
QCNWNA194SJZZ	12-Bi401	AK		
QCNWNA195SJZZ	12-Bi402	AK		
QCNWNA196SJZZ	12-Bi205	AD		
QCNWNA197SJZZ	12-Bi302	AE		
QCNWNA198SJZZ	12-CNW609	AE		
QCNWNA199SJZZ	12-CNW705	AE		
QCNWNA200SJZZ	12-CNW707	AC		
QCNWNA202SJZZ	13-222			
QCNWNA212SJZZ	12-CNW702	AG		
QCNWNA213SJZZ	12-CNW704	AG		
QCNWNA216SJZZ	13-223			
QCNWNA226SJZZ	12-CFW6A	AC		
QCNWNA227SJZZ	12-CFW4	AC		
〃	12-CFW5	AC		
QCNWNA228SJZZ	12-CFW6	AC		
〃	12-CFW9	AC		
QCNWNA229SJZZ	12-CFW2	AC		
QCNWNA230SJZZ	12-CFW1	AB		
QCNWNA231SJZZ	12-CFW3	AB		
QCNWNA232SJZZ	12-CNW703	AE		
QCNWNA311SJZZ	12-CNW301			
QFS-D202BSJNi	12-F201	AB		
QFS-D632BSJNi	12-F101	AC		
〃	12-F102	AC		
QFSHD1013CEZZ	14-112	AB		
QJAKMA002SJZZ	12-JK1	AE		
QSÖCA0214AWZZ	12-SÖ202	AD		
QSÖCJ0003SJZZ	12-S504	AG		
QSÖCJA005SJZZ	12-S501	AE		
QSÖCZA006SJZZ	12-S505			
QSW-K0002SJZZ	12-SW701	AC		
〃	12-SW702	AC		
〃	12-SW703	AC		
〃	12-SW704	AC		
〃	12-SW705	AC		
〃	12-SW706	AC		
〃	12-SW707	AC		
〃	12-SW708	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
QSW-ZA002SJZZ	12-SW700	AF		
QTANAA005SJZZ	12-SO401	AF		
QTANCA001SJZZ	12-SO301	AD		
QTANCA002SJZZ	12-SO302	AC		
【 R 】				
RBLN-0001SJZZ	6-L301	AE		
RBLN-A001SJZZ	6-L506	AB		
〃	6-L507	AB		
〃	6-L508	AB		
〃	6-L509	AB		
〃	6-L511	AB		
RC-EZD106AF1C	10-C501	AB		
〃	10-C505	AB		
〃	10-C506	AB		
〃	10-C510	AB		
〃	10-C513	AB		
〃	10-C517	AB		
〃	10-C518	AB		
〃	10-C522	AB		
〃	10-C525	AB		
〃	10-C529	AB		
〃	10-C530	AB		
〃	10-C534	AB		
〃	10-C633	AB		
〃	10-C634	AB		
RC-EZD107AF1A	10-C709	AB		
〃	10-C718	AB		
RC-EZD107AF1C	10-C639	AC		
〃	10-C640	AC		
RC-EZD107AF1E	10-C584	AD		
〃	10-C599	AD		
RC-EZD225AF1H	10-C547	AB		
RC-EZD226AF1E	10-C594	AB		
〃	10-C596	AB		
〃	10-C598	AB		
RC-EZD227AF1A	10-C706	AC		
RC-EZD227AF1C	10-C665	AB		
RC-EZD336AF1C	10-C712	AB		
RC-EZD476AF1C	10-C394	AC		
〃	10-C503	AC		
〃	10-C515	AC		
〃	10-C527	AC		
〃	10-C545	AC		
〃	10-C590	AC		
〃	10-C716	AC		
〃	10-C510A	AC		
〃	10-C510B	AC		
〃	10-C510C	AC		
〃	10-C667A	AC		
RC-EZD477AF1C	10-C585	AB		
〃	10-C667	AB		
RC-GZA105AF1H	10-C107	AB		
〃	10-C109	AB		
〃	10-C112	AB		
〃	10-C120	AB		
〃	10-C124	AB		
〃	10-C133	AB		
〃	10-C168	AB		
〃	10-C358	AB		
〃	10-C367	AB		
〃	10-C368	AB		
〃	10-C370	AB		
〃	10-C371	AB		
〃	10-C372	AB		
〃	10-C393	AB		
RC-GZA106AF1C	10-C352	AB		
〃	10-C364	AB		
〃	10-C380	AB		
〃	10-C401	AB		
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〃	10-C425	AB		
〃	10-C479	AB		
〃	10-C488	AB		
〃	10-C489	AB		
〃	10-C497	AB		
〃	10-C540	AB		
〃	10-C541	AB		
〃	10-C544	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C549	AB		
〃	10-C564	AB		
〃	10-C571	AB		
〃	10-C572	AB		
〃	10-C801	AB		
〃	10-C802	AB		
〃	10-C810	AB		
〃	10-C811	AB		
〃	10-C812	AB		
〃	10-C813	AB		
〃	10-C901	AB		
〃	10-C479A	AB		
〃	10-C500A	AB		
〃	10-C500B	AB		
〃	10-C500C	AB		
〃	10-C529A	AB		
〃	10-C529B	AB		
〃	10-C529C	AB		
〃	10-C582B	AB		
〃	10-C582C	AB		
〃	10-C582D	AB		
〃	10-C582E	AB		
RC-GZA106AF1H	10-C102	AB		
〃	10-C104	AB		
〃	10-C105	AB		
〃	10-C106	AB		
〃	10-C114	AB		
〃	10-C116	AB		
〃	10-C117	AB		
〃	10-C118	AB		
〃	10-C170	AB		
〃	10-C173	AB		
〃	10-C174	AB		
〃	10-C176	AB		
RC-GZA107AF1A	10-C396	AB		
〃	10-C398	AB		
RC-GZA107AF1C	10-C325	AB		
〃	10-C348	AB		
〃	10-C470	AB		
〃	10-C555	AB		
RC-GZA107AF1H	10-C210	AC		
〃	10-C215	AC		
RC-GZA225AF1C	10-C151	AC		
〃	10-C557	AC		
〃	10-C565	AC		
RC-GZA225AF1H	10-C357	AB		
〃	10-C561	AB		
〃	10-C569	AB		
RC-GZA227AF1A	10-C587	AB		
RC-GZA227AF1E	10-C218	AB		
RC-GZA227AF1H	10-C213	AE		
RC-GZA335AF1C	10-C463	AB		
RC-GZA335AF1H	10-C362	AB		
RC-GZA336AF1C	10-C556	AB		
RC-GZA475AF1H	10-C562	AB		
〃	10-C570	AB		
RC-GZA476AF1C	10-C226	AB		
〃	10-C391	AB		
〃	10-C412	AB		
〃	10-C416	AB		
〃	10-C417	AB		
〃	10-C478	AB		
〃	10-C481	AB		
〃	10-C580	AB		
〃	10-C591	AB		
〃	10-C720	AB		
〃	10-C902	AB		
〃	10-C402A	AB		
〃	10-C422A	AB		
〃	10-C478A	AB		
〃	10-C497A	AB		
〃	10-C543A	AB		
〃	10-C582A	AB		
RC-GZA476AF1E	10-C216	AB		
〃	10-C256	AB		
〃	10-C537	AB		
〃	10-C543	AB		
〃	10-C589	AB		
〃	10-C216A	AB		
RC-GZA476AF1H	10-C108	AB		
〃	10-C111	AB		
〃	10-C119	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C123	AB		
〃	10-C167	AB		
〃	10-C172	AB		
〃	10-C211	AB		
〃	10-C212	AB		
〃	10-C465	AB		
〃	10-C806	AB		
〃	10-C809	AB		
RC-GZA476AF1J	10-C214	AC		
RC-GZV228AF1C	10-C232	AG		
RC-GZW338AF1E	10-C224	AG		
RC-GZW478AF1H	10-C128	AH		
〃	10-C129	AH		
RC-GZW688AF1E	10-C207	AH		
RCiLAA002SJZZ	5-T302	AC		
RCiLBA006SJZZ	5-T306	AC		
RCiLCA001SJZZ	6-L501	AD		
RCiLiA002SJZZ	5-T351	AC		
RCiLZA004SJZZ	6-LF201	AD		
RCÖRF0010SJZZ	6-L510	AB		
〃	6-L5A1	AB		
RCÖRFA008SJZZ	6-L513	AB		
〃	6-L514	AB		
〃	6-L513A	AB		
〃	6-L513B	AB		
RC-QZA104AFYJ	10-C559	AC		
〃	10-C567	AC		
RCRM-0007SJZZ	9-X351	AG		
RCRM-0008SJZZ	9-X702	AG		
RCRSP0006SJZZ	9-X352	AF		
RCRSPA007SJZZ	9-X701	AE		
RFiLA0003SJZZ	4-CF352	AF		
RFiLF0003AWZZ	4-CF351	AK		
RFiLFA001SJZZ	4-CF302	AE		
〃	4-CF303	AE		
RFiLL0001SJZZ	6-L354	AF		
RH-iX0058SJZZ	1-iC701	BH		
RMÖTV0409AFZZ	12-M401	AL		
〃	12-M402	AL		
RRLYD0004SJZZ	12-RLY400	AG		
RRLYDA002AWZZ	12-RLY401			
〃	12-RLY402			
〃	12-RLY403			
RRMCGA027SJZZ	15-	AQ		
RSP-ZA004SJZZ	14-SP1	AS		
RTRNPA039SJZZ	5-T201			
RTRNPA040SJZZ	5-T202			
RTUNSA003SJZZ	1-iC301	AS		
RVR-M0026AWZZ	7-VR351	AC		
【 S 】				
SPAKAA052SJZZ	15-	AE		
SPAKAA053SJZZ	15-	AE		
SPAKAA054SJZZ	15-			
SPAKAA056SJZZ	15-			
SPAKAA057SJZZ	15-			
SPAKCA089SJZZ	15-	AN		
SPAKPA012SJZZ	15-	AG		
SPAKSA016SJZZ	15-			
SSAKHA023SJZZ	15-	AC		
SSAKHA025SJZZ	15-	AC		
SSAKHA026SJZZ	15-			
SSAKHA027SJZZ	15-			
SSAKHA028SJZZ	15-			
【 T 】				
TCAUZA010SJZZ	15-	AD		
TiNSEA050SJZZ	15-	AF		
TiNSEA051SJZZ	15-	AE		
TiNSSA001SJZZ	15-			
TLABEA109SJZZ	15-			
TLABSA005SJZZ	13-221	AB		
TLABZA068SJZZ	15-			
TSPC-A058SJZZ	13-214			
TSPC-A089SJZZ	14-116			
【 U 】				
UDSKA0004AFZZ	17-	AZ		
【 V 】				
VCCCCY1HH102J	10-C502	AA		
〃	10-C507	AA		
〃	10-C514	AA		
〃	10-C519	AA		
〃	10-C526	AA		
〃	10-C531	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C574	AA		
VCCCCY1HH120J	10-C381	AA		
VCCCCY1HH150J	10-C382	AA		
VCCCCY1HH151J	10-C509	AA		
VCCCCY1HH220J	10-C511	AA		
〃	10-C512	AA		
〃	10-C523	AA		
〃	10-C524	AA		
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〃	10-C536	AA		
〃	10-C703	AA		
〃	10-C704	AA		
VCCCCY1HH221J	10-C233	AA		
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〃	10-C237	AA		
〃	10-C238	AA		
〃	10-C548	AA		
〃	10-C552	AA		
〃	10-C553	AA		
〃	10-C554	AA		
VCCCCY1HH330J	10-C637	AA		
〃	10-C638	AA		
VCCCCY1HH331J	10-C576	AA		
〃	10-C577	AA		
VCCCCY1HH470J	10-C403	AA		
〃	10-C404	AA		
〃	10-C420	AA		
〃	10-C421	AA		
〃	10-C431	AA		
〃	10-C504	AA		
〃	10-C516	AA		
〃	10-C521	AA		
〃	10-C528	AA		
〃	10-C533	AA		
〃	10-C532A	AA		
〃	10-C532B	AA		
VCCCPA1HH120J	10-C330	AA		
VCCSCY1HL220J	10-C355	AD		
VCCSCY1HL330J	10-C343	AD		
〃	10-C344	AD		
VCCSCY1HL560J	10-C369	AD		
VCCUPA1HJ270J	10-C334	AA		
VCFYFA1HA104J	10-C426	AC		
〃	10-C435	AC		
〃	10-C484	AC		
〃	10-C485	AC		
〃	10-C490	AC		
〃	10-C546	AC		
〃	10-C803	AC		
VCFYFA1HA473J	10-C225	AB		
〃	10-C227	AB		
VCKYCY1EF103Z	10-C376	AA		
VCKYCY1EF123Z	10-C301	AA		
VCKYCY1EF223Z	10-C329	AB		
〃	10-C341	AB		
〃	10-C345	AB		
〃	10-C346	AB		
〃	10-C347	AB		
〃	10-C350	AB		
〃	10-C351	AB		
〃	10-C353	AB		
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〃	10-C395	AB		
〃	10-C397	AB		
VCKYCY1EF473Z	10-C331	AB		
〃	10-C538	AB		
〃	10-C672	AB		
VCKYCY1HB101K	10-C708	AB		
〃	10-C719	AB		
VCKYCY1HB102K	10-C302	AA		
〃	10-C349	AA		
〃	10-C356	AA		
〃	10-C366	AA		
〃	10-C384	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C392	AA		
〃	10-C714	AA		
〃	10-C715	AA		
VCKYCY1HB103K	10-C713	AA		
VCKYCY1HB104K	10-C014	AD		
〃	10-C015	AD		
〃	10-C101	AD		
〃	10-C103	AD		
〃	10-C113	AD		
〃	10-C115	AD		
〃	10-C132	AD		
〃	10-C175	AD		
〃	10-C177	AD		
〃	10-C573	AD		
〃	10-C581	AD		
〃	10-C586	AD		
〃	10-C701	AD		
〃	10-C702	AD		
〃	10-C705	AD		
〃	10-C707	AD		
〃	10-C711	AD		
〃	10-C512A	AD		
〃	10-C512B	AD		
〃	10-C512C	AD		
〃	10-C586A	AD		
VCKYCY1HB151K	10-C110	AA		
〃	10-C121	AA		
〃	10-C125	AA		
〃	10-C126	AA		
〃	10-C166	AA		
〃	10-C169	AA		
〃	10-C201	AA		
〃	10-C202	AA		
〃	10-C203	AA		
〃	10-C204	AA		
〃	10-C205	AA		
〃	10-C498	AA		
〃	10-C206B	AA		
VCKYCY1HB153K	10-C550	AA		
VCKYCY1HB221K	10-C451	AA		
〃	10-C453	AA		
VCKYCY1HB222K	10-C136	AA		
〃	10-C137	AA		
〃	10-C575	AA		
〃	10-C5B4	AA		
〃	10-C820	AA		
〃	10-C821	AA		
〃	10-C904	AA		
〃	10-C599A	AA		
〃	10-C599B	AA		
VCKYCY1HB223K	10-C641	AA		
VCKYCY1HB271K	10-C599C	AA		
〃	10-C599D	AA		
VCKYCY1HB272K	10-C560	AA		
〃	10-C568	AA		
VCKYCY1HB332K	10-C539	AA		
VCKYCY1HB472K	10-C706A	AA		
VCKYCY1HB473K	10-C388	AB		
〃	10-C588	AB		
〃	10-C592	AB		
VCKYCY1HB561K	10-C335	AA		
VCKYCY1HB681K	10-C450	AA		
VCKYCY1HF104Z	10-C411	AB		
〃	10-C415	AB		
〃	10-C494	AB		
VCKYCY1HF223Z	10-C814	AA		
〃	10-C815	AA		
〃	10-C816	AA		
〃	10-C817	AA		
〃	10-C818	AA		
〃	10-C819	AA		
VCKYCY1HF473Z	10-C710	AB		
〃	10-C717	AB		
VCKYPA1HB104K	10-C127	AC		
〃	10-C130	AC		
〃	10-C131	AC		
〃	10-C134	AC		
〃	10-C153	AC		
〃	10-C438	AC		
〃	10-C442	AC		
〃	10-C443	AC		
〃	10-C444	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C446	AC		
〃	10-C452	AC		
〃	10-C558	AC		
〃	10-C566	AC		
〃	10-C5B3	AC		
VCKYPA1HB222K	10-C464	AA		
〃	10-C5A1	AA		
〃	10-C5A4	AA		
〃	10-C5A5	AA		
〃	10-C5A6	AA		
〃	10-C5A7	AA		
〃	10-C5A8	AA		
〃	10-C5A9	AA		
〃	10-C5B1	AA		
〃	10-C5B2	AA		
VCKYPA1HB223K	10-C016	AB		
〃	10-C188	AB		
〃	10-C189	AB		
〃	10-C190	AB		
〃	10-C191	AB		
〃	10-C192	AB		
〃	10-C193	AB		
〃	10-C194	AB		
〃	10-C195	AB		
〃	10-C196	AB		
〃	10-C197	AB		
〃	10-C198	AB		
〃	10-C199	AB		
VCKYPA1HB331K	10-C378	AA		
〃	10-C386	AA		
VCKYPA1HB472K	10-C433	AB		
〃	10-C440	AB		
〃	10-C445	AB		
〃	10-C449	AB		
〃	10-C495	AB		
〃	10-C496	AB		
〃	10-C822	AB		
〃	10-C823	AB		
〃	10-C824	AB		
〃	10-C825	AB		
〃	10-C826	AB		
〃	10-C827	AB		
VCKYPA1HF102Z	10-C903	AA		
VCKYPA1HF103Z	10-C385	AB		
VCKYPA1HF104Z	10-C206	AB		
〃	10-C208	AB		
〃	10-C209	AB		
〃	10-C429	AB		
〃	10-C434	AB		
〃	10-C206A	AB		
VCKYPA1HF223Z	10-C219	AB		
〃	10-C324	AB		
〃	10-C332	AB		
〃	10-C337	AB		
〃	10-C399	AB		
VCKYPA1HF473Z	10-C217	AB		
〃	10-C228	AB		
〃	10-C229	AB		
VCQYKA1JM224J	10-C670	AC		
VCTYPA1CX183K	10-C373	AA		
〃	10-C374	AA		
VHCSVC348S/-1	8-VD301	AK		
VHD1N4004//-1	3-D209	AB		
〃	3-D210	AB		
〃	3-D211	AB		
〃	3-D212	AB		
〃	3-D216	AB		
〃	3-D217	AB		
〃	3-D218	AB		
〃	3-D219	AB		
〃	3-D220	AB		
〃	3-D221	AB		
〃	3-D424	AB		
〃	3-D425	AB		
〃	3-D426	AB		
〃	3-D427	AB		
〃	3-D505	AB		
〃	3-D506	AB		
〃	3-D507	AB		
〃	3-D511	AB		
〃	3-D701	AB		
〃	3-D706	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-D708	AB		
〃	3-D427A	AB		
VHD1N4148//-1	3-D102	AA		
〃	3-D301	AA		
〃	3-D302	AA		
〃	3-D303	AA		
〃	3-D304	AA		
〃	3-D308	AA		
〃	3-D410	AA		
〃	3-D411	AA		
〃	3-D416	AA		
〃	3-D417	AA		
〃	3-D418	AA		
〃	3-D419	AA		
〃	3-D420	AA		
〃	3-D421	AA		
〃	3-D422	AA		
〃	3-D429	AA		
〃	3-D431	AA		
〃	3-D432	AA		
〃	3-D433	AA		
〃	3-D434	AA		
〃	3-D435	AA		
〃	3-D436	AA		
〃	3-D437	AA		
〃	3-D440	AA		
〃	3-D441	AA		
〃	3-D442	AA		
〃	3-D443	AA		
〃	3-D452	AA		
〃	3-D453	AA		
〃	3-D454	AA		
〃	3-D455	AA		
〃	3-D456	AA		
〃	3-D457	AA		
〃	3-D458	AA		
〃	3-D459	AA		
〃	3-D509	AA		
〃	3-D702	AA		
〃	3-D703	AA		
〃	3-D704	AA		
〃	3-D705	AA		
〃	3-D707	AA		
〃	3-ZD424	AA		
VHD1N4148W/-1	3-D503	AB		
〃	3-D504	AB		
〃	3-D512	AB		
〃	3-D706A	AB		
〃	3-D706B	AB		
VHD1N5402M/-1	3-D205	AE		
〃	3-D206	AE		
〃	3-D207	AE		
〃	3-D208	AE		
VHD1N5822//-1	3-D508	AD		
VHDGBJ10GM/-1	3-D101	AH		
VHEDZH03C3+-1	3-ZD425	AB		
〃	3-ZD701	AB		
VHEDZH05C2+-1	3-ZD351	AB		
VHEDZH06C2+-1	3-ZD202	AB		
VHEDZH09C1+-1	3-ZD423	AB		
VHEDZH1602+-1	3-ZD101	AB		
〃	3-ZD102	AB		
VHEDZH3001+-1	3-ZD201	AB		
VHiAN78L05/-1	1-iC203	AE		
VHiCD4053M+-1	1-iC507	AF		
VHiKiA7805APi	1-iC201	AF		
〃	1-iC502	AF		
〃	1-iC511	AF		
VHiKiA7812APi	1-iC202	AE		
〃	1-iC501	AE		
VHiLA1832S/-1	1-iC303	AN		
VHiLC72131/-1	1-iC302	AP		
VHiLC75341M-1	1-iC505	AM		
VHiLM2576T/-1	1-iC503	AR		
VHiLM4732TA-1	1-iC101	AY		
〃	1-iC102	AY		
〃	1-iC103	AY		
VHiNJM14558-1	1-iC506	AF		
〃	1-iC508	AF		
〃	1-iC509	AF		
〃	1-iC512	AF		
VHiNJM4558D-1	1-iC104	AH		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	1-iC404	AH		
〃	1-iC405	AH		
〃	1-iC406	AH		
〃	1-iC504	AH		
〃	1-iC510	AH		
VHiTCD4094B-1	1-iC407	AE		
VHLGP1UD261-1	12-RX701	AK		
〃	12-RX702	AK		
VHPBFRX1001-1	12-S503	AM		
VHPLPBB73V1-1	3-LED702	AF		
VP-DH100K0000	6-L503	AB		
〃	6-L504	AB		
VP-DH101K0000	6-L351	AB		
〃	6-L352	AB		
VP-DH102K0000	6-L353	AB		
VP-DH2R2K0000	6-L342	AB		
〃	6-L502	AB		
〃	6-L706	AB		
VP-DHR82K0000	6-L701	AE		
〃	6-L703	AE		
〃	6-L704	AE		
〃	6-L705	AE		
VRD-RT2HDR20J	11-R914			
〃	11-R917			
〃	11-R923			
〃	11-R925			
〃	11-R928			
〃	11-R934			
VRD-ST2CD100J	11-R207	AA		
VRD-ST2CD101J	11-R618	AA		
〃	11-R627	AA		
〃	11-R629	AA		
〃	11-R630	AA		
〃	11-R836	AA		
VRD-ST2CD102J	11-R206	AA		
〃	11-R489	AA		
〃	11-R490	AA		
〃	11-R491	AA		
〃	11-R492	AA		
〃	11-R493	AA		
〃	11-R494	AA		
〃	11-R568	AA		
〃	11-R592	AA		
〃	11-R703	AA		
〃	11-R705	AA		
〃	11-R708	AA		
〃	11-R709	AA		
〃	11-R710	AA		
〃	11-R712	AA		
〃	11-R713	AA		
〃	11-R714	AA		
〃	11-R715	AA		
〃	11-R718	AA		
〃	11-R720	AA		
〃	11-R721	AA		
〃	11-R722	AA		
〃	11-R723	AA		
〃	11-R724	AA		
〃	11-R725	AA		
〃	11-R727	AA		
〃	11-R728	AA		
〃	11-R729	AA		
〃	11-R731	AA		
〃	11-R732	AA		
〃	11-R736	AA		
〃	11-R738	AA		
〃	11-R739	AA		
〃	11-R747	AA		
〃	11-R748	AA		
〃	11-R749	AA		
〃	11-R756	AA		
〃	11-R761	AA		
〃	11-R767	AA		
〃	11-R770	AA		
〃	11-R791	AA		
〃	11-R793	AA		
〃	11-R869	AA		
〃	11-R869A	AA		
VRD-ST2CD103J	11-R154	AA		
〃	11-R210	AA		
〃	11-R376	AA		
〃	11-R586	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R590	AA		
〃	11-R704	AA		
〃	11-R706	AA		
〃	11-R730	AA		
〃	11-R735	AA		
〃	11-R745	AA		
〃	11-R754	AA		
〃	11-R797	AA		
〃	11-R475A	AA		
〃	11-R735A	AA		
〃	11-R735B	AA		
VRD-ST2CD104J	11-R589	AA		
〃	11-R591	AA		
〃	11-R764	AA		
〃	11-R831	AA		
VRD-ST2CD121J	11-R593	AA		
VRD-ST2CD123J	11-R203	AA		
VRD-ST2CD153J	11-R405	AA		
〃	11-R411	AA		
〃	11-R435	AA		
〃	11-R444	AA		
〃	11-R458	AA		
〃	11-R465	AA		
VRD-ST2CD181J	11-R343	AA		
VRD-ST2CD183J	11-R112	AA		
〃	11-R113	AA		
〃	11-R122	AA		
VRD-ST2CD222J	11-R366	AA		
〃	11-R510C	AA		
〃	11-R510D	AA		
VRD-ST2CD223J	11-R864	AA		
〃	11-R943	AA		
〃	11-R864A	AA		
VRD-ST2CD271J	11-R153	AA		
VRD-ST2CD272J	11-R216	AA		
〃	11-R614	AA		
VRD-ST2CD273J	11-R616	AA		
〃	11-R409A	AA		
〃	11-R436A	AA		
〃	11-R461A	AA		
VRD-ST2CD331J	11-R204	AA		
〃	11-R205	AA		
VRD-ST2CD332J	11-R401	AA		
〃	11-R402	AA		
〃	11-R437	AA		
〃	11-R440	AA		
〃	11-R463	AA		
〃	11-R467	AA		
〃	11-R763	AA		
〃	11-R862	AA		
〃	11-R868	AA		
〃	11-R895	AA		
〃	11-R897	AA		
〃	11-R899	AA		
〃	11-R901	AA		
〃	11-R510B	AA		
〃	11-R862A	AA		
〃	11-R868A	AA		
VRD-ST2CD334J	11-R460	AA		
VRD-ST2CD390J	11-R909	AA		
VRD-ST2CD392J	11-R552	AA		
VRD-ST2CD472J	11-R861	AA		
VRD-ST2CD473J	11-R208	AA		
〃	11-R218	AA		
〃	11-R395	AA		
〃	11-R553	AA		
VRD-ST2CD474J	11-R865	AA		
〃	11-R865A	AA		
VRD-ST2CD4R7J	11-R190	AA		
〃	11-R191	AA		
〃	11-R192	AA		
〃	11-R193	AA		
〃	11-R194	AA		
〃	11-R195	AA		
VRD-ST2CD560J	11-R594	AA		
VRD-ST2CD562J	11-R336	AA		
〃	11-R377	AA		
〃	11-R385	AA		
〃	11-R387	AA		
VRD-ST2CD563J	11-R471	AA		
VRD-ST2CD681J	11-R942	AA		
VRD-ST2CD682J	11-R384	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R945	AA		
VRD-ST2CD820J	11-R201	AA		
〃	11-R202	AA		
〃	11-R775	AA		
VRD-ST2CD821J	11-R860	AA		
VRD-ST2EE100J	11-R399	AA		
〃	11-R952	AA		
〃	11-R957	AA		
VRD-ST2EE102J	11-R101	AA		
〃	11-R102	AA		
〃	11-R103	AA		
〃	11-R155	AA		
〃	11-R181	AA		
VRD-ST2EE121J	11-R983	AA		
〃	11-R984	AA		
VRD-ST2EE221J	11-R787	AA		
VRD-ST2EE330J	11-R867	AA		
〃	11-R867A	AA		
VRD-ST2EE331J	11-R382	AA		
〃	11-R386	AA		
VRD-ST2EE391J	11-R391	AA		
〃	11-R392	AA		
VRD-ST2EE470J	11-R760A	AA		
〃	11-R760B	AA		
VRD-ST2EE4R7J	11-R834	AA		
〃	11-R835	AA		
〃	11-R841	AA		
〃	11-R842	AA		
〃	11-R843	AA		
〃	11-R850	AA		
VRD-ST2HD475J	11-R985	AA		
VRD-ST3LD0R1J	11-R166			
VRS-CY1JB000J	11-JP2	AA		
〃	11-JP3	AA		
〃	11-JP4	AA		
〃	11-JP5	AA		
〃	11-JP6	AA		
〃	11-R197	AA		
〃	11-R350	AA		
〃	11-R356	AA		
〃	11-R361	AA		
〃	11-R362	AA		
〃	11-R581	AA		
〃	11-R585	AA		
〃	11-R707	AA		
〃	11-R746	AA		
〃	11-R976	AA		
〃	11-JB101	AA		
〃	11-JB103	AA		
〃	11-JR401	AA		
VRS-CY1JB100J	11-R505	AA		
〃	11-R510	AA		
〃	11-R517	AA		
〃	11-R522	AA		
〃	11-R529	AA		
〃	11-R534	AA		
VRS-CY1JB101J	11-R406	AA		
〃	11-R412	AA		
〃	11-R434	AA		
〃	11-R443	AA		
〃	11-R457	AA		
〃	11-R975	AA		
VRS-CY1JB102J	11-R76	AA		
〃	11-R104	AA		
〃	11-R105	AA		
〃	11-R115	AA		
〃	11-R172	AA		
〃	11-R352	AA		
〃	11-R371	AA		
〃	11-R372	AA		
〃	11-R373	AA		
〃	11-R374	AA		
〃	11-R393	AA		
〃	11-R414	AA		
〃	11-R425	AA		
〃	11-R426	AA		
〃	11-R447	AA		
〃	11-R450	AA		
〃	11-R468	AA		
〃	11-R559	AA		
〃	11-R561	AA		
〃	11-R566	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R567	AA		
〃	11-R595	AA		
〃	11-R596	AA		
〃	11-R617	AA		
〃	11-R619	AA		
〃	11-R700	AA		
〃	11-R701	AA		
〃	11-R716	AA		
〃	11-R737	AA		
〃	11-R740	AA		
〃	11-R750	AA		
〃	11-R751	AA		
〃	11-R755	AA		
〃	11-R762	AA		
〃	11-R769	AA		
〃	11-R776	AA		
〃	11-R972	AA		
〃	11-R973	AA		
〃	11-R974	AA		
〃	11-R595A	AA		
VRS-CY1JB103D	11-R159	AA		
〃	11-R170	AA		
VRS-CY1JB103J	11-R156	AA		
〃	11-R198	AA		
〃	11-R365	AA		
〃	11-R381	AA		
〃	11-R423	AA		
〃	11-R424	AA		
〃	11-R448	AA		
〃	11-R449	AA		
〃	11-R451	AA		
〃	11-R511	AA		
〃	11-R512	AA		
〃	11-R523	AA		
〃	11-R524	AA		
〃	11-R535	AA		
〃	11-R536	AA		
〃	11-R537	AA		
〃	11-R541	AA		
〃	11-R544	AA		
〃	11-R545	AA		
〃	11-R554	AA		
〃	11-R557	AA		
〃	11-R572	AA		
〃	11-R577	AA		
〃	11-R578	AA		
〃	11-R579	AA		
〃	11-R604	AA		
〃	11-R688	AA		
〃	11-R699	AA		
〃	11-R702	AA		
〃	11-R719	AA		
〃	11-R734	AA		
〃	11-R742	AA		
〃	11-R743	AA		
〃	11-R744	AA		
〃	11-R768	AA		
〃	11-R772	AA		
〃	11-R777	AA		
〃	11-R778	AA		
〃	11-R788	AA		
〃	11-R789	AA		
〃	11-R790	AA		
〃	11-R792	AA		
〃	11-R808	AA		
〃	11-R863	AA		
〃	11-R896	AA		
〃	11-R898	AA		
〃	11-R900	AA		
〃	11-R902	AA		
〃	11-R908	AA		
〃	11-R946	AA		
〃	11-R949	AA		
〃	11-R950	AA		
〃	11-R951	AA		
〃	11-R953	AA		
〃	11-R954	AA		
〃	11-R955	AA		
〃	11-R956	AA		
〃	11-R982	AA		
〃	11-R863A	AA		
VRS-CY1JB104J	11-R415	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R428	AA		
〃	11-R445	AA		
〃	11-R452	AA		
〃	11-R477	AA		
〃	11-R487	AA		
〃	11-R542	AA		
〃	11-R547	AA		
〃	11-R549	AA		
〃	11-R550	AA		
〃	11-R551	AA		
〃	11-R605	AA		
〃	11-R608	AA		
〃	11-R832	AA		
〃	11-R833	AA		
〃	11-R838	AA		
〃	11-R839	AA		
〃	11-R840	AA		
〃	11-R870	AA		
VRS-CY1JB106J	11-R741	AA		
VRS-CY1JB121J	11-R779	AA		
VRS-CY1JB122J	11-R171	AA		
〃	11-R587	AA		
〃	11-R588	AA		
〃	11-R765	AA		
〃	11-R766	AA		
〃	11-R780	AA		
〃	11-R781	AA		
VRS-CY1JB123J	11-R110	AA		
〃	11-R111	AA		
〃	11-R119	AA		
〃	11-R915	AA		
〃	11-R918	AA		
〃	11-R924	AA		
〃	11-R927	AA		
〃	11-R931	AA		
〃	11-R932	AA		
VRS-CY1JB124D	11-R157	AA		
〃	11-R981	AA		
VRS-CY1JB124J	11-R509	AA		
VRS-CY1JB152J	11-R380	AA		
〃	11-R548	AA		
〃	11-R689	AA		
〃	11-R782	AA		
VRS-CY1JB181J	11-R5C1	AA		
〃	11-R5C2	AA		
VRS-CY1JB182J	11-R359	AA		
〃	11-R961	AA		
〃	11-R963	AA		
〃	11-R964	AA		
〃	11-R967	AA		
〃	11-R969	AA		
〃	11-R971	AA		
VRS-CY1JB183D	11-R160	AA		
〃	11-R161	AA		
〃	11-R162	AA		
〃	11-R163	AA		
〃	11-R164	AA		
〃	11-R165	AA		
〃	11-R167	AA		
〃	11-R168	AA		
〃	11-R977	AA		
〃	11-R978	AA		
〃	11-R979	AA		
〃	11-R980	AA		
VRS-CY1JB183J	11-R118	AA		
〃	11-R121	AA		
〃	11-R123	AA		
〃	11-R590B	AA		
VRS-CY1JB184D	11-R158	AA		
〃	11-R169	AA		
VRS-CY1JB202J	11-R684	AA		
VRS-CY1JB221J	11-R546	AA		
VRS-CY1JB222J	11-R199	AA		
〃	11-R379	AA		
〃	11-R783	AA		
VRS-CY1JB223J	11-R564	AA		
〃	11-R569	AA		
〃	11-R784	AA		
〃	11-R785	AA		
〃	11-R944	AA		
VRS-CY1JB271J	11-R353	AA		
〃	11-R540	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRS-CY1JB272J	11-R612	AA		
VRS-CY1JB273J	11-R407	AA		
〃	11-R409	AA		
〃	11-R436	AA		
〃	11-R441	AA		
〃	11-R459	AA		
〃	11-R461	AA		
〃	11-R502	AA		
〃	11-R507	AA		
〃	11-R514	AA		
〃	11-R519	AA		
〃	11-R526	AA		
〃	11-R531	AA		
〃	11-R573	AA		
〃	11-R574	AA		
〃	11-R575	AA		
〃	11-R576	AA		
〃	11-R615	AA		
〃	11-R866	AA		
〃	11-R407A	AA		
〃	11-R441A	AA		
〃	11-R459A	AA		
〃	11-R502A	AA		
〃	11-R507A	AA		
〃	11-R514A	AA		
〃	11-R519A	AA		
〃	11-R526A	AA		
〃	11-R531A	AA		
〃	11-R539A	AA		
〃	11-R541A	AA		
〃	11-R542A	AA		
〃	11-R543A	AA		
〃	11-R590A	AA		
〃	11-R590C	AA		
〃	11-R590D	AA		
〃	11-R590E	AA		
〃	11-R615A	AA		
〃	11-R616A	AA		
〃	11-R866A	AA		
VRS-CY1JB303J	11-R504	AA		
〃	11-R516	AA		
〃	11-R521	AA		
〃	11-R528	AA		
〃	11-R533	AA		
VRS-CY1JB330J	11-R349	AA		
VRS-CY1JB331J	11-R346	AA		
VRS-CY1JB332J	11-R152	AA		
〃	11-R355	AA		
〃	11-R503	AA		
〃	11-R508	AA		
〃	11-R515	AA		
〃	11-R520	AA		
〃	11-R527	AA		
〃	11-R532	AA		
〃	11-R5B1	AA		
〃	11-R5B2	AA		
〃	11-R601	AA		
〃	11-R602	AA		
〃	11-R941	AA		
〃	11-R510A	AA		
VRS-CY1JB333J	11-R408	AA		
〃	11-R410	AA		
〃	11-R433	AA		
〃	11-R442	AA		
〃	11-R456	AA		
VRS-CY1JB391J	11-R757	AA		
〃	11-R786	AA		
VRS-CY1JB392J	11-R555	AA		
〃	11-R562	AA		
〃	11-R565	AA		
〃	11-R960	AA		
〃	11-R962	AA		
〃	11-R965	AA		
〃	11-R966	AA		
〃	11-R968	AA		
〃	11-R970	AA		
VRS-CY1JB471J	11-R134	AA		
〃	11-R137	AA		
〃	11-R146	AA		
〃	11-R147	AA		
〃	11-R149	AA		
〃	11-R151	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R5B3	AA		
〃	11-R5B4	AA		
〃	11-R758	AA		
〃	11-R759	AA		
VRS-CY1JB472J	11-R196	AA		
〃	11-R345	AA		
〃	11-R360	AA		
VRS-CY1JB473J	11-R538	AA		
〃	11-R556	AA		
〃	11-R571	AA		
〃	11-R597	AA		
〃	11-R774	AA		
〃	11-R859	AA		
VRS-CY1JB474J	11-R173	AA		
〃	11-R357	AA		
VRS-CY1JB561J	11-R938	AA		
VRS-CY1JB562J	11-R351	AA		
〃	11-R383	AA		
〃	11-R466	AA		
〃	11-R472	AA		
〃	11-R475	AA		
〃	11-R856	AA		
〃	11-R958	AA		
〃	11-R959	AA		
VRS-CY1JB563J	11-R470	AA		
〃	11-R473	AA		
〃	11-R474	AA		
〃	11-R829	AA		
〃	11-R848	AA		
VRS-CY1JB621J	11-R175	AA		
VRS-CY1JB622J	11-R919	AA		
〃	11-R922	AA		
〃	11-R926	AA		
〃	11-R930	AA		
〃	11-R933	AA		
〃	11-R936	AA		
VRS-CY1JB680J	11-R369A	AA		
〃	11-R794A	AA		
〃	11-R795A	AA		
VRS-CY1JB681J	11-R313	AA		
〃	11-R344	AA		
〃	11-R687	AA		
VRS-CY1JB682J	11-R347	AA		
VRS-CY1JB683J	11-R323	AA		
〃	11-R462	AA		
VRS-CY1JB750J	11-R582	AA		
〃	11-R584	AA		
VRS-CY1JB820J	11-R606	AA		
〃	11-R607	AA		
〃	11-R609	AA		
〃	11-R610	AA		
〃	11-R369B	AA		
VRS-CY1JB822J	11-R358	AA		
〃	11-R539	AA		
〃	11-R543	AA		
VRS-CY1JB823J	11-R106	AA		
〃	11-R107	AA		
〃	11-R108	AA		
〃	11-R109	AA		
〃	11-R116	AA		
〃	11-R117	AA		
〃	11-R611	AA		
〃	11-R613	AA		
〃	11-R106A	AA		
〃	11-R107A	AA		
〃	11-R108A	AA		
〃	11-R109A	AA		
〃	11-R116A	AA		
〃	11-R117A	AA		
〃	11-R752A	AA		
〃	11-R752B	AA		
〃	11-R752C	AA		
〃	11-R752D	AA		
〃	11-R752E	AA		
〃	11-R752F	AA		
〃	11-R752G	AA		
〃	11-R752H	AA		
〃	11-R752i	AA		
〃	11-R752J	AA		
〃	11-R752K	AA		
〃	11-R752L	AA		
〃	11-R752M	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R752N	AA		
〃	11-R752P	AA		
〃	11-R752Q	AA		
〃	11-R752R	AA		
〃	11-R752S	AA		
〃	11-R752T	AA		
〃	11-R752U	AA		
〃	11-R753A	AA		
〃	11-R753B	AA		
〃	11-R753C	AA		
〃	11-R753D	AA		
〃	11-R753E	AA		
〃	11-R753F	AA		
〃	11-R753G	AA		
〃	11-R753H	AA		
〃	11-R753i	AA		
〃	11-R753J	AA		
〃	11-R753K	AA		
〃	11-R753L	AA		
〃	11-R753M	AA		
〃	11-R753N	AA		
〃	11-R753P	AA		
〃	11-R753Q	AA		
〃	11-R753R	AA		
〃	11-R753S	AA		
〃	11-R753T	AA		
〃	11-R753U	AA		
VRS-CY1JB912J	11-R501	AA		
〃	11-R506	AA		
〃	11-R513	AA		
〃	11-R518	AA		
〃	11-R525	AA		
〃	11-R530	AA		
VS2HC1815GR-1	2-Q203	AB		
〃	2-Q413	AB		
〃	2-Q414	AB		
〃	2-Q415	AB		
〃	2-Q416	AB		
〃	2-Q429	AB		
〃	2-Q430	AB		
〃	2-Q439	AB		
〃	2-Q503	AB		
〃	2-Q439A	AB		
VS2SB561-C/-1	2-Q521	AC		
VS2SB562-C/-1	2-Q504	AD		
VS2SC380-O/-1	2-Q301	AC		
VS2SC535-C/-1	2-Q436	AC		
〃	2-Q436A	AC		
VS2SD601AR/-1	2-Q502	AC		
〃	2-Q522	AC		
VSKRA107M//-1	2-Q432	AE		
〃	2-Q451	AE		
〃	2-Q501	AE		
VSKRC104M//-1	2-Q351	AC		
VSKRC107M//-1	2-Q433	AC		
〃	2-Q702	AC		
〃	2-Q709	AC		
VSKTA1266GR-1	2-Q101	AB		
〃	2-Q201	AB		
〃	2-Q360	AB		
〃	2-Q438	AB		
〃	2-Q701	AB		
〃	2-Q438A	AB		
VSKTA1271Y/-1	2-Q505	AC		
〃	2-Q508	AC		
VSKTC3199GR-1	2-Q102	AB		
〃	2-Q103	AB		
〃	2-Q403	AB		
〃	2-Q404	AB		
〃	2-Q407	AB		
〃	2-Q408	AB		
〃	2-Q409	AB		
〃	2-Q412	AB		
〃	2-Q443	AB		
〃	2-Q444	AB		
〃	2-Q445	AB		
〃	2-Q446	AB		
〃	2-Q447	AB		
〃	2-Q448	AB		
〃	2-Q450	AB		
〃	2-Q452	AB		
〃	2-Q453	AB		
〃	2-Q455	AB		
〃	2-Q459	AB		
〃	2-Q506	AB		
〃	2-Q507	AB		
〃	2-Q517	AB		
〃	2-Q518	AB		
〃	2-Q524	AB		
〃	2-Q525	AB		
〃	2-Q5A3	AB		
〃	2-Q5A4	AB		
〃	2-Q703	AB		
〃	2-Q704	AB		
VSKTC3200GR-1	2-Q434	AC		
〃	2-Q435	AC		
〃	2-Q437	AC		
〃	2-Q454	AC		
〃	2-Q456	AC		
〃	2-Q457	AC		
〃	2-Q458	AC		
〃	2-Q437A	AC		
VSKTC3203Y/-1	2-Q509	AC		
〃	2-Q510	AC		
VVK42-1001F-1	12-VFD701	AV		
【 X 】				
XBPSN50P12000	13-601	AB		
XEBY930P08000	14-811	AB		
XHBSN20P03000	13-608	AA		
〃	14-808	AA		
XHBSN30P04000	14-807	AA		
XHBSN30P06000	14-804	AA		
XHBSN30P10000	14-805	AA		
XJBSN25P08000	13-604	AA		
XJBSN25P10000	13-614	AA		
XJBSN30P06000	13-605	AA		
XJBSN30P08000	13-606	AA		
〃	14-810	AA		
XJBSN30P10000	13-602	AA		
XJBSN30P12000	13-603	AA		
XJBY925P04000	13-612	AA		
XJBY930P10000	14-809	AA		
XWHSN50-10080	13-613	AB		

— MEMO —

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J.. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J.. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

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